Posits of Workplace Competencies in Management Education Research -A review triangulation for discerning NEP-2020 (India)'s relevance

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ABSTRACT

In the 21st century of ultra-dynamic business environment, intense competition and the threat to the survival of business, have led to the surge of an intensifying competition for talent also known as 'the global war for talent'. In this war, the business leaders and HR leaders seek to achieve the competitive advantage through an army of best and brightest global workforce in the industry. With the global crisis for the talented employees, the responsibility lies on the shoulder of the higher educational institutions to bridge this 'talent gap'. In this vacuum, there is a mismatch between the skills which the employers require; and these educational institutions need develop all those skills among students. But, there are blame on universities that for making learners less competent for the jobs contents sought and thus, leading to the talent crisis in the global labour market. In fact, business education is about facilitating learning of job-related behaviours (workplace competencies) in order to improve individual and corporate performance. This is high time that B-schools understand this 'curriculum gap' and introduce workplace competencies in business education so as to develop highly capable managers ready to cope with the global challenges and thus, contribute to excellence in management practise. The question is: how far are the higher educational and management institutes are lashing their students to acquire workplace competencies to face the global market?

The present paper has put an attempt to understand the importance of workplace competencies in today's business environment with this miniature meta-analysis to understand the acquisition of these workplace competencies by the students of higher educational institutes and management institutes across the globe. At the end, new suggestions are contextualised for implementing new education policy-2020 of government of India.

Keywords

Talent gap, Global workforce, Workplace competencies, Curriculum gap, Meta-analysis

I.The global war for talent

The 21st century is the century of fast paced dynamic business environment is today characterised by increasing globalisation, of digital convergence technologies, economic challenges, global workforce and lingual emergence of multi proficiencies. Globalisation has made the strategic effort to make the world into a single market to do fast-changing business¹. This business emergence of environment and disruptive technology have created tremendous pressure on organisations and HR leaders to improve business performance through its human resources which today have become the principal source of competitive advantageⁱⁱ. Thus, human capital forms the most significant factor for a company to achieve the competitive advantage, which not only support strategic goals but also to focus on value adding activitiesⁱⁱⁱ. Thus the 21st century marked the necessity of a competent global workforce that can serve the current business organisations to achieve their organisational goals and drive them

to climb the ladder of success in the present business scenario.

With the increasing business economy, business leaders and HR managers were worried about the intensifying international competition for talent: the impact of not having the right people in place to lead and confront business challenges; as well as employing below average candidates 'just to fill the positions'iv. This 'war for talent' was officially termed in 1998 when McKinsey & Co. published their report 'The War For Talent' wherein it began with the line 'Better talent is worth fighting for' stated that superior talent will be tomorrow's prime source of competitive advantage^v. Despite today's global business scenario, the capacity for organisation to attract, develop, motivate and retain talent will remain a critical strategic issue for the 21st century which will determine the ability of organisations to survive the crisis and ready themselves for the eventual recoveryvi .With the requirement of superior talent increasing, companies which are not able to manage talent properly faces many problems. The employers look for new talents

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which are skilled with the required job-related behaviours to get the best behaviour from the employee at the workplace. The workers must demonstrate that they have the right workplace competencies to enter and compete in today's labour market.

II. Workplace Competences: A Competency Based Approach

To compete in today's labour market, competency is the key strategy. Today, with the organisations being highly concerned about the competency levels of the workforce and its development vii. Organizations need numbers of competencies for the different job perspective; where each competency requires number of layers of knowledge to integrate with the identified work assigned to the individual in the organization viii. So, competency studies have gained more and attention^{ix}. interest and understanding competency at workplace and acquiring it is very important for the next generation employees to cope up with the organisational expectations within the challenging frameworks.

There definitions are numerous of competency reported in the literature. Competency was first initiated by Selznick in 1957, but since David McClelland study entitled 'Testing for competency rather "intelligence" started the development of the concept across several disciplines^x. Boyatzis (1982) and Spencer & Spencer (1993) define competency from an industry perspective seeing underlying competency an as characteristic of an individual that facilitates superior performance in a given situationxi xii. According to Boam and Sparrow (1992)competency is an input measure where competency is seen as any aspect of the inner person, normally displayed as 'behaviours', which allows them to perform competently, in other words, competency is an output or outcome measurexiii. Birkett (1993) sees competency in a similar manner, in which competency is related to the manner in which individual attributes, such as knowledge, skills and attitudes, are drawn on in performing tasks in specific work contexts resulting in overall job performance^{xiv}. Rychen and Salganik (2003) defined competency as the potential to successfully meet complex demands

in a specific context through mobilization of psychological prerequisites^{xv}. Therefore, competency is a combination of tacit and explicit knowledge, behaviour and skills that gives someone the potential for effectiveness in task performance^{xvi} Thus, competency can be seen as a package of knowledge, skills, attitudes and behaviours to carry out a task or a job effectively and efficiently maintaining a well-defined and acceptable standard.

Many organisations now are realising the importance of the competency-based approach, where the HR leaders attempt to tap the competencies of the individual employees so as to effectively engage the employees to meet the organisational goals and objectives. Many organisations have adopted a competency-based approach to deal with the dynamic nature of business^{xvii}. The HR professionals can align the human resource processes and actions with the desired competencies so as identify the current capabilities of its workforce and realise better allround organisational results. Thus, practice of competency modelling in the field of human resource management has become common^{xviii}. Competency model identifies multiple competencies and associated behaviours required for effective performance in a particular professional organizational or Competency models identify and facilitate development of competencies that cut across levels in the organization and provide the pathway for achieving organisational goals and objectives. Competency modelling can align managerial work roles to business goals and strategies^{xx}. The benefits of using competency-based approaches include the potential for improved talent particularly employee management systems, recruitment and selection systems and improved career management systems (including succession planning and employee development)^{xxi}. Thus, competency modelling involves the congruency of various workplace competencies which lead to a significant performance in the organisation.

Workplace competencies are nothing but the desired job-related behaviours to successfully carry out the job. Athey and Orth (1999) a job-related competency is a set of observable performance dimensions, including individual knowledge, skills, attitudes, and behaviours, as

collective well team, process, as organizational capabilities that are linked to high performance, and that provide the organization advantage^{xxii}. sustainable competitive Workplace competencies are skills and abilities that allow individuals to function organizational setting and also frequently referred to as work readiness competencies. These workplace competencies can be broadly classified as technical and behavioural. In a workplace context, competency is a combination of cognitive skills (technical knowledge, expertise & abilities), and personal or behavioural characteristics (principles, attitudes, values & motives), which are a function of an individual's personality^{xxiii}. Resource allocation and utilization, teamwork, interpersonal skills, leadership, communication (written and oral), creativity and innovation, solving, planning and organizing, technical expertise etc are the majorly accepted competencies attain workplace to organizational goals efficiently and effectively. These workplace competencies are very much crucial for employment and also success at workplace and need to be continuously developed with the emerging needs of business in the global scenario.

III. Scenario of Present Management Education Practices

In this 21st century business environment which is characterised by an unpredictable labour market and a global crisis for talented employees, there is an increasing responsibility on the shoulders of higher education towards the development of the whole person as well as knowledge, attributes, and skills which any educated person should expect to have by the time of graduation. Higher Educational Institutes need to provide avenues for the graduates to gain certain general skills and qualities that will make them completely geared up to the real demands of the world of work xxiv. Higher Educational Institutes should demonstrate commitment to develop the generalized expertise that graduates can transfer to whatever working environment they find themselves in after graduation^{xxv}. These higher educational institutes should intent to evolve their students who are enriched with these workplace competencies so as to make them competent to applying such skills

even before their graduation and entry to a workplace thus, making them much more employable in the global workplace. It is also necessary that these higher educational institutes continuously develop their intervention activities to continuously enhance the graduates' acquired competencies and skills which are needed to apply and progress on their jobs so that their skills remain in alignment with the workplace needs.

Business education is about facilitating learning of job-related behaviours in order to improve individual and corporate performance xxvi. It is the business education which forms the vital link between business, organisation and education and it is the managers who have to play a considerably more significant role in the overall success of their organizations and development of their nations^{xxvii}. Business education adds value to people and to organizations as it helps them achieve competitive advantage through exposing managers to new ideas, training and development opportunities, practices that may be applied in the corporate context^{xxviii}. But today, the effectiveness and relevance of management education in general and MBA programs in particular, has been questioned fundamentally in recent years xxix xxx. There are serious doubts about the business schools' ability to provide students with the skills needed to function at an executive level in modern organizations and to prepare them for the professional demands and challenges globalized business in a pluralistic world xxxi. The question of business education effectiveness is now being raised and suggested that business education in its present form does not make great contribution to excellence in management practice^{xxxii}. Thus, we see that business education today have been lagging in its part to provide competent graduates to meet the workplace needs in today's organisations.

It is very much necessary for business education to come out from its policy of trade and take full responsibility of this global labour crisis. There emerges an urgent need to carry out massive restructuring of business education as there exist a 'curriculum gap' where the present business curriculum is not in pace with the current business needs. While practitioners are interested in questions solving real world problems, with direct implications for action, helpful in managing an organization and improving its performance,

academics do seem to care much more about a rigorous research process leading to defensible generalizations that add to theoretical knowledge^{xxxiii}. It is very much essential to introduce experiential learning along with theoretical learning to keep the curriculum aligned with the present workplace needs. To ensure the validity of management education, a large practical component should be included in the course, thereby providing an opportunity for both experiential and action learning xxxiv. The most common forms of experiential learning in a business school format include team-building exercises, live projects, simulations, speakers, and internships. This forms integrated classroom and business learning so as to develop the workplace experience among the students to keep in pace with the changing business processes.

IV. Students' Acquisition of Workplace Competencies

Our world in this 21st century is a picture of a revolution of rising skills. This call of time eventually requires matching the skills levels of graduates of higher education institutions and the employability skills requirements of the present and future workplace environments. Competencybased approaches relative to accreditation and education have been discussed in a variety of fields, including professional psychology (Rubin et al., 2007)xxxv, health care (Calhoun et al., 2008) xxxvi, information systems (Beard et al., 2008) xxxvii and engineering (Robinson et al., Thus, the educators across all interdisciplinary studies believes in incorporating knowledge as well as skills, that are a generalizable across a wide range of professional domains is necessary for better employability and all-round development of the students.

In business education, competency-based approach is to be given due importance for better employability of business graduates and meet the crisis of competent managers in the global business environment. Developing managerial competencies in MBA programs has been the subject of several studies. Boycotts, Stubbs, and Taylor (2002) showed that cognitive and emotional competencies can be developed in an MBA program xxxix. Camuffo and Gerli (2004) also presented a model that integrates

competency-based tools addressing functional and managerial skills within an MBA Program^{xl}. Sturges and colleagues (2003) studied Canadian MBA programs and their effectiveness developing different types of competencies^{xli}. Rubin and Dierdorff (2009) assessed required curricula in MBA programs and find a valuable managerial between misalignment competencies and MBA curriculaxlii. Therefore, competency-based approach is really an integral part of management education which will definitely help to prepare present and future managers so as to impart sustainable managerial capabilities among the students.

The students of B schools acquire some of these workplace competencies through the experiential learning or action-based learning which has become more and more important for curriculum of business education. The most common forms of experiential learning in a business school format include team-building exercises, live projects, simulations, speakers, and internships. Training/Internship in the industry can be used as an important tool in shaping competencies of the managers. Industry training helps the students to build up on the job competencies. Students and employers perceive that experience learning or job experience has an upper-hand in employability in corporates and success in the long run. Students who have been exposed to a competency-based approach may be more aware of and better able to assess the tools and resources that a potential employer provides to develop their employees. A more industry oriented cooperative management education under a collaborative approach of both the business education system and the industry will boost the students to acquire the workplace competencies and also bridge the 'talent crises' which the current businesses are facing.

Problem/Research Needs

The increasing demands of labour market in this technologically-driven work setting on one side and the mushrooming of ill-prepared graduates creating higher statistics of underemployment and unemployment especially in third world countries on the other side are continuing concerns to be addressed. With business schools growing in every nook and corner of the world where lacs and lacs of management graduates produced each and

every year, making it a profitable trade rather than being a responsible business organisation that can align with the employability and sustainability of its students. Study reveals that only 7% of business graduates in India are employable and the country is producing sub-par graduates who are largely un-employable xliii. Since, the B-schools interaction with the outside dynamic business environment is very less, these B schools are not able to align themselves with the current business processes. There is a serious mismatch between the skills required on which the employers emphasize and the skills which the b schools develop. The set of workplace competencies which are more emphasized by the employers are less valued in business schools. There is also a very slow reforming and restructuring of business course curriculum which is not at par with the business needs. Although there are available researches on the competency and education acquisition mismatch, the of workplace competencies by the students of management institutes remain an unexplored frontier, which will ultimately help the students to remain aware about these workforce competencies and help them to prepare themselves to face the challenges of global businesses and become capable and inspirable managers in the long run.

VI. Objectives of the Study-The objective of this paper is to conduct a meta-analysis to examine the concentration and the trends of the available studies, especially to derive the inclination of place, methodologies and finally, to summarise the outcomes of different groups of studies under consideration.

VII. Research Methods- The study follows metaanalysis of existing available literatures relevant to workplace competencies and its acquisition in higher education with special emphasis on the acquisition of workplace competency management education. Meta- analysis is a latest development in research methodology, wherein a systematic examination of previous studies is done in order to combine their findings or synthesise the researches. The present study attempts to perform meta-analysis based triangulation. Through the triangulation metaanalysis, the paper attempts to show posits of existing research in acquisition of workplace

competencies in higher education with special reference to management education.

VIII. Results and Findings- From the above review of literatures on Competency in Higher Education and also the various multidisciplinary subjects (Table -3 and Annexure-A), it is seen that competency is discussed in every aspects like core competency development, competency modelling, workplace competencies, importance workplace competencies, perception of competency among students and employers, competency mismatch etc. and also on higher education like reformation of higher education, management of higher education, curriculum etc.. These literatures provided a vital link between the competency development and higher education and how the higher education needs to reform its curriculum which will focus on skills and workplace competencies which has to the present employer's par with requirements. The studies are being carried in many interdisciplinary subjects such as tourism, healthcare administration, engineering, emergency management, public affairs, science technology, medicine etc. We find that 40.00% of the researches are descriptive and review based research while 60.00% of the researches are quantitative, exploratory and empirical researches. Although 23.33% of reviewed literatures descriptive in nature with more use of secondary data, it is seen that majority of literatures reviewed have used primary data for their study. These researches were carried out across the world predominantly in US (33.33%) followed by Europe and Russia and New Zealand at second place (13.33%) and also few researches in China, Malaysia. Sri-Lanka, India. Australia Kazakhstan. As such, we can conclude that a lot of researches have been conducted in the area of workplace competency and its development in higher education where more of the researches conducted are quantitative and empirical in nature. Moreover, a quantifiable amount of research is also descriptive and review based research. It is also observed that more number of researches have used primary data for study as compared to use of secondary data in the research. An important derivation which can be drawn is that most of these researches are conducted in US.

followed by Europe and a few in China, Malaysia, SriLanka, India, Australia and Kazakhstan.

Again, from the review of literatures on Competency in management education (Table 3 and Annexure -B), it is seen that competency is described from every aspects of management like competency development, education competency modelling, managerial development, learning cognitive and emotional intelligence, managerial competencies, development etc. Most of the literatures have also raised a debate on the relevance and sustainability education of management (23.33%),employability (10%) while rest of the literatures focussed on managerial competency and skill development and assessment (66.67%). Thus, we can draw that the assessment and development of managerial skills and competencies should remain the prime focus of B-schools which will ultimately increase the employability of B-school graduates and will make the business schools a sustainable business organisation in the long run. We find that 46.66% of the researches are descriptive and review based research while 53.34% of the researches are quantitative and empirical researches. Almost equal number of the researches is descriptive in nature with the use of secondary data (46.66%) and also quantitative research with primary data (53.34%). The researches carried out with primary data have been covered across the globe have most of researches done prominently at global level, US and Europe (40%) followed by a few researches done in China, Australia, Namibia, Nigeria, India, Pakistan etc. Industry-education collaborative competency based educational framework is stressed by many of the researchers to meet the current business requirements. Therefore, we can infer that a lot of researches have been conducted in the area of workplace competences and managerial skills and competencies and its development in management education where most of the researches focussed on managerial competency, skill development and assessment, followed by sustainability of business education. A very few number of literatures focussed on employability of management graduates. More of the researches conducted are quantitative and empirical in nature. However, a large and adequate amount of research is also found which is descriptive and review based in nature. It is also

observed that more number of researches have used primary data for study as compared to use of secondary data in the research. An important derivation which can be drawn is that most of these researches are conducted in global level and in US and Europe while few literatures are also found in China, New Zealand, India, Pakistan and many African countries.

Table-2: Workplace Skills in Higher Education Research

Authors (Years)	Core Focuses
Akatieva L.,	Generic & vocational
Batalova L.,	competencies - discovered the
& et.al.	discrepancies on emphasis on
(2015)	learning emphasis given by
	universities
Burganova	Attempted to find the ways and
R.I. et.al	means for transformation of
(2016)	educational activity into
	professional activities - through
	job training,- as part of the learning
	process, solves this problem, acting
	as a special socio-education
	environment, performing cultural
	and social functions predicts up the
	process of development and
	formation of student personality,
	subject and individuality, and
	provides the formation of
	spirituality, value orientations and
A1 1	moral principles.
Alexandra	New education emphasized
G.A., & Anzhela S.V.	competency based learning orientation with standards for
(2014)	acquisition of competences as the
(2014)	result of the education. The new
	educational standards differentiate
	expertise between common cultural
	and professional competences.
Coll R.K., &	Proposed that classroom-based
Zegwaard	instruction is unlikely to produce
E.K (2006)	graduates with the desired skills,
	and that work-integrated learning
	may have a role to play in the
	development of graduate
	competencies. The science and
	technology sector perceive that
	employers want graduates that are
	'well rounded' and that all
	competencies are essential and
	sought after.

	T
Barman A., &	Reflected that competence -based
Konwar J.	education is considered the leading
(2011)	paradigm for Higher education
	innovation. In order to develop
	competency-based curriculum in
	higher education, determination of
	competencies for each discipline
	and subsequent development of
	means of measurement and
	performance assessment is a must.
	Also highlighted on the challenges –
	they are faculty orientation,
	administration and in
	implementation.
Rissi J.J., &	Suggested for aligning the program
Gelmon S.B	mission, competency model ,
(2014)	competencies, curriculum and
(2014)	course content is the first step. The
	-
	1
	competency, curriculum and course
	content, need two-dimensional
	assessment approach course level
	teaching and learning of a particular
	skill and the expected level of
	competency attainment, specifically
	the student's ability to apply the
	skills are assessed simultaneously.
D : 1 D	
Rainsbury E.,	Emphasized to develop willingness
Rainsbury E., Hodges D., &	Emphasized to develop willingness to learn to match with changing
Hodges D., &	to learn to match with changing
Hodges D., & Burchell, N.	to learn to match with changing world. Competencies to match the
Hodges D., &	to learn to match with changing world. Competencies to match the work in changing world, suggested
Hodges D., & Burchell, N.	to learn to match with changing world. Competencies to match the work in changing world, suggested the co-operative educational
Hodges D., & Burchell, N.	to learn to match with changing world. Competencies to match the work in changing world, suggested the co-operative educational programs for developing students
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Hodges D., & Burchell, N. (2002)	to learn to match with changing world. Competencies to match the work in changing world, suggested the co-operative educational programs for developing students requirements of workplace with respect to development of skills.
Hodges D., & Burchell, N. (2002) Sharma P.	to learn to match with changing world. Competencies to match the work in changing world, suggested the co-operative educational programs for developing students requirements of workplace with respect to development of skills. Competencies can be divided into
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	categorised into intra
	organizational- includes
	organisational management,
	technological competency,
	comprehensive and supported
	decision making and inter-
	organisational competencies – such
	as, leadership, networking,
	coordination and collaboration.
. Assamoi O.,	Stated that higher education has the
&	responsibility to develop
Christophe.	workplace desirable
A. (2015)	competencies and allow students
	to be adaptive, adaptable and
	transformative.
Hedrick. J	Present education is an imperative
A., & et.al.	on the workforce of tomorrow, need
(2015)	to be competent in using
	technology of doing business and
	being productive.
Bennett, J.V.	Revealed even schools are
(2007)	concerned about the preparation of
(====)	their students for future
	occupational engagement in the 21st
	Century. Implementation of
	mandatory work-based learning
	is a requirements for the day,
	ensure students future, their
	occupational engagement beyond
	the school walls.
Verhaest, D.	Debated about the efficiency of
& Baert, S.	workplace learning and
(2017)	vocationally oriented programs in
(====)	higher education. Concluded
	vocational learning is costlier than
	the general program
Salleh, R.	Studied graduates skills from the
& et.al,	perspective of employers.
(2013)	Concluded that hard skills, as well
(2013)	as soft skills and personal
	attributes are also needed as
	workplace competence. Development of a comprehensive
	competency-based framework can
	serve as a guideline for higher
	education institutions to respond to
Ingleson D	the competency requirements.
Jackson, D.	Empirical assessments on
(2010)	importance and proficiency levels of
	workplace behaviours may inform
	the understanding of inter-
	relationships between behaviours,
	explored possible mismatch. To
	enhance employability, to graduate

	need to be accessed their ability of
	need to be assessed their ability of
Woligamaga	adding value to enterprises. Concluded that there is a gap
Weligamage, S., &	0 1
,	between job expectations of
Siengthai, S.	graduates and employer
(2003)	expectations. Gaps exist in training
	of graduates in the areas of
	communication, leading,
	decision-making, participating,
	arbitrating and problem solving.
	The main reason of this gap is
	inflexibility and unwillingness of
	the education and training system.
	There is no adaptation to fill the
	needs of the labour market and
011077.0	economy.
Singh, G.K.G.,	Discovered the difference between
and Singh,	employer and graduate perceptions
S.K.G. (2008)	for all seven employability factors.
	Discovered the efforts required to
	minimize the gap between
	employers' and graduates'
	perceptions. The tools by joining
	employer and educational
	institutions hand in hand in
	projects, assignments, providing
	talks to graduates' courtesy of
	organizations and providing a
Ciddoo V 0	Ionger practical training duration The study reveals that there are
Siddoo, V., & et.al. P.	clear gaps between employers'
(2017)	_ = =
[(401/)	norformanco ovnoctatione and
	performance expectations and
	students' actual performance in
	students' actual performance in different competencies. To satisfy
	students' actual performance in different competencies. To satisfy industries need, university must
	students' actual performance in different competencies. To satisfy industries need, university must understand the needs for those
	students' actual performance in different competencies. To satisfy industries need, university must understand the needs for those organisations, personal
	students' actual performance in different competencies. To satisfy industries need, university must understand the needs for those organisations, personal characteristics and knowledge are
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	students' actual performance in different competencies. To satisfy industries need, university must understand the needs for those organisations, personal characteristics and knowledge are essential dimensions which employers expect to be developed through university collaboration.
Rampersad,	students' actual performance in different competencies. To satisfy industries need, university must understand the needs for those organisations, personal characteristics and knowledge are essential dimensions which employers expect to be developed through university collaboration. Developed a framework for building
	students' actual performance in different competencies. To satisfy industries need, university must understand the needs for those organisations, personal characteristics and knowledge are essential dimensions which employers expect to be developed through university collaboration. Developed a framework for building university innovation ecosystems
Rampersad,	students' actual performance in different competencies. To satisfy industries need, university must understand the needs for those organisations, personal characteristics and knowledge are essential dimensions which employers expect to be developed through university collaboration. Developed a framework for building university innovation ecosystems by focusing on the core component
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Rampersad,	students' actual performance in different competencies. To satisfy industries need, university must understand the needs for those organisations, personal characteristics and knowledge are essential dimensions which employers expect to be developed through university collaboration. Developed a framework for building university innovation ecosystems by focusing on the core component of work integrated learning as a nexus between university and
Rampersad, G.C. (2015)	students' actual performance in different competencies. To satisfy industries need, university must understand the needs for those organisations, personal characteristics and knowledge are essential dimensions which employers expect to be developed through university collaboration. Developed a framework for building university innovation ecosystems by focusing on the core component of work integrated learning as a nexus between university and industry.
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Rampersad, G.C. (2015) Rademacher, A., & et.al.	students' actual performance in different competencies. To satisfy industries need, university must understand the needs for those organisations, personal characteristics and knowledge are essential dimensions which employers expect to be developed through university collaboration. Developed a framework for building university innovation ecosystems by focusing on the core component of work integrated learning as a nexus between university and industry. Revealed most commonly reported knowledge deficiencies, the educators should address by providing some type of real world

	software industry, making sure that
	students have effective problem-
	solving skills and that they can
	effectively communicate their
	solutions to others.
Durganava	
Burganova	*
R.I., & et.al	considered to be the system of
(2016)	intellectual, physiological, moral
	and active (functional)
	competences of the specialist,
	reflecting the level of acquired
	knowledge, skills, experience and
	information congestion. The
	process of professional activity
	structure formation should be fully
	respected in the framework of
	university educational and learning
Caiandar 1	activities. Students should be introduced with
Cajander, A., & et.al.	reflection on the attainment of
(2011)	professional competencies earlier
	in their degree program, and that
	the adoption of a lifelong and life
	wide electronic portfolio like
	Curtin's i-Portfolio should be
	considered.
Peng, L., &	Reflected that there is competency
et.al. (2014)	mismatch between the educational
	attainment of M.Eng graduates and
	employer requirements in China.
	The competency of communication
	and coordination is regarded as the
	skills area requires most urgent
	improvement by M.Eng graduates,
	alumni and employers.
Lizzio, A., &	Presented preliminary evidence,
	1
Wilson, K.	based on student perceptions on
(2004)	action learning designs in a higher
	education context can make
	significant contributions to the
	development of student capability.
Garcıa-Aracil	Surpluses and deficits in
A., & Velden	competencies were measured by
R. (2006)	asking graduates to evaluate the job
	they held in terms of the level of
	competencies they thought was
	required to perform them
	adequately compared to their actual
	acquired level. Six different
	categories of competencies were
	explored, namely organizational ,
	specialized, methodological,
	generic, participative and socio-
	emotional competencies.

Lozano J.F.,	The study reveals that the
& et.al.	capability approach promotes a
(2012)	broad concept of 'teaching' and
	'learning' as a way of life, and not
	only as a 'job' The capabilities
	approach requires us to go beyond
	employability (without
	underestimating it!) as the goal of
	higher education; it proposes to
	value graduates' involvement in
	social and political initiatives, and
	their personal development.
Edwards, M.,	European institutions explored the
& et.al.	meaning and implications of
(2009)	competences and learning
	outcomes in practice by paying
	attention to concerns about validity
	and reliability of competences,
	while institutions can assemble
	meaningful information to improve
	their initiatives by asking and
	improving the participation of
	different stakeholders.
	The present study is aimed to
Tripathi, P.,	explore the relevance of the
&	competencies from the industrial
Suri, R.K.	sector in education sector . They
(2010)	developed a competency model,
	consists of personal effectiveness,
	ability effectives, skills effectiveness
	and the knowledge effectiveness
	aspect of competencies.
Gerstein,	Emphasised on "higher education
M.,&	has to respond to the wake-up call
Friedman,	and change course quickly". It is
H.H. (2016)	time to focus on skills and
	competencies . The ideal university
	ensures that all courses regardless
	of discipline work together to
	enhance the skills of students,
	especially those skills that
	employers are unable to teach.

Table-3 Competency Focus in Management Education

Author	Findings
Marsh S.J. &	Described the importance of
Bishop T.R.	competency modelling for both
(2014)	students and higher education
	institutions and specifically
	business education programs.
	Found that many drivers of
	competency modelling applied
	in business organisations also

-	
	applying by business education.
	Incorporating broader skill
	development through
	competencies development can
	enhance the knowledge of
	students' future success.
Boyatzis R.E., &	The study shows that MBAs can
et.al(2002)	develop emotional intelligence
00.001(2002)	and cognitive competencies
	crucial to effectiveness as
	managers and leaders during
	their programs.
Camuffo A., &	
Gerli F. (2004)	
Gerii r. (2004)	competency-based
	methodologies throughout all
	the different stages of a training
	process; can increase the
	effectiveness of management
	education, and hence the value
	elevation.
Rubin R.S. &	Assessed the extent to which
Dierdorff	required course content in MBA
E.C.(2009)	programs is indeed aligned with
	the essential behavioural
	competencies needed to
	perform managerial work. MBA
	programs are founded on the
	notion that they train future
	managers, overlap between
	managerial competencies and
	the coursework needs a
	dedication to inculcate both
	competencies should be present.
	Evidence-based approach used
	to the content that is trained in
	MBA programs and what is
	actually required for managerial
	occupations.
Sturges J., &	Showed that a career
et.al. (2003)	competency framework can
Ct.ai. (2005)	provide a useful theoretical
	basis, through which need to
	knowledge of graduates
	accumulated from MBA
TO CAME A	programmes.
Tiwari (Mishra)	Industry training helps to build
S.(2012)	up on the job competencies . An
	intervention is desirable at a
	national level to bring about a
	I ahanga 'l'ha naad ia thanafana ta
1	change. The need is therefore to
	develop new capabilities in

	responsibilities.
Varela 0. &	The study reveals that complex
et.al.(2011)	managerial skills are not
00.0(2011)	imparted in advanced levels in
	MBA training. Managerial skill
	development in MBA education
	is challenged by time
	restrictions, contextualized
	learning, constraints to testing
	new knowledge, and limitations
	in feedback opportunities, all of
	which are factors known to
	restrict progress toward skill
	mastery.
Syed O.R. &	Work based learning is a more
et.al. (2018)	practical approach and remain
	an emergent area of study.
Ortenblad A.	Illustrated, business schools are
et.al.	currently pre-occupied with
(2013)	promoting and teaching
	optimization, efficiency and
	effectiveness, maximization and
	profitability. Too little attention
	is afforded to promoting the
	skills of analysis and critical
	thinking or the mastery of
	theories, abstract conception
	or a wider appreciation of
	moral principles. Suggested to
	moral principles. Suggested to emphasise on providing a wider
	moral principles. Suggested to emphasise on providing a wider educations- i.e. balancing
	moral principles. Suggested to emphasise on providing a wider educations- i.e. balancing human, environmental and
Paton S & et al	moral principles. Suggested to emphasise on providing a wider educations- i.e. balancing human, environmental and economic perspectives.
Paton S. & et.al. (2014)	moral principles. Suggested to emphasise on providing a wider educations- i.e. balancing human, environmental and economic perspectives. Practical reflexivity is a more
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Mathew G.K. provide qualified business	interpersonal skills, the art of communication, situational behaviour, and so on play a pivotal role in helping the student or candidate fit into the workplace. Veliyath R. & et.al. (2012) Education must be relevant, to satisfy the need for resources, and to be able to find jobs for their graduates.

(2015)	
(2015)	graduates to the industry and
	their impact can be assessed holistically by evaluating the
	inputs, delivery processes as
	well as the outcome in terms of
	skills developed.
Jose P.D. (2016)	Analysis of the current status
Jose 1 .D. (2010)	indicates that a three-pronged
	approach is necessary to
	strengthen sustainability
	education in Indian business
	schools. Building institutional
	capacity, resource-based
	teaching material and
	community practise.
Hodges D. &	The employers believe that some
Burchell N.	of the technical knowledge
(2003)	which graduates gain are no
	longer relevant in workplace
	context . The research findings
	show that employers want
	'work ready' graduates, where
	cooperative education can
	bridge the gap between the
	world of work and the world of
	education.
Antonacopoulou	The study emphasises the
E. P. &	critical importance of a trained
FitzGerald, L	and competent management
(2019)	and workforce. Investing in
	human assets and encouraging
	learning are integral parts of this
	process. A systematic and well-
	founded approach can be a foundation competency-based
	framework for management
	development. Moreover, the
	need to check and assess means
	that competence-based
	approaches to management
	development appear to be
	skewed towards using fairly
	conventional methods of
	learning. This may undervalue
	learning by doing and self-
	directed approaches for
	experimentation, exploration
	& self-discovery.
Kline D.S.	The AMA competency-based,
(1982)	graduate management
	program is being watched most
	closely by training and
	development managers in many
	organizations, where the AMA

Γ	
	program paving the "wave of the
	future' in management
	education.
Dyllick T.	If business schools want to
(2013)	attract and inspire talented
	students, if they want to secure
	political support, and if they
	want to keep public trust, they
	clearly have to start looking
	beyond their own interests,
	those of faculties and those of
	their direct "customers." They
	have to start thinking about
	their contributions to society,
	can they cater to society's
	needs? Do they provide their
	graduates with the social
	awareness and social
	competencies?
Shivoro R.S., &	Indicated a mismatch between
et.al. (2018)	the perception of the
et.ai. (2010)	stakeholders with regard to the
	graduate attributes which are
	regarded as essential for
	performing job performance,
	and those that are emphasized in
	curricula. Management schools
	in Namibia are not responding to
	the Management science labour
	market as because they are not
	emphasizing on the
	employability attributes.
Okoro, James	The research shows that there is
(2015)	a need for business graduates in
,	Nigeria to be trained and
	retrained in those areas of
	management competencies
	which they are not competent.
	Study shows no significant
	difference between full-time and
	part-time university Business
	1 2
	Education graduates in the mean
	ratings of their possessed
34	competencies in management.
Martinovic M.	Suggested that the managers
(2024)	should appreciate certain
	competencies and need to expect
	from young employees to have
	in them. The competencies that
	are of great importance for
	managers are: time
	management, written
	communication, listening,
	team work, critical thinking,

	coping with stress, creative
	thinking, and oral
	communication . Managers are
	not quite satisfied with present
	_ =
	competencies of their young
	employees. They are particularly
	dissatisfied with team work,
	critical thinking and creative
	thinking.
Azevedo A., &	In spite of growing concern from
et.al (2012)	employers around the world
	regarding business graduates'
	ability to meet current and
	future workplace demands,
	there has been little research
	addressing competency
	development within the
	context of undergraduate
	business education. The study
	believes that the framework of
	value, relevance and
	capability offers a unique and
	useful tool to investigate the
	alignment of undergraduate
	business education with
	industry requirements.
Sayed O.R. &	There are growing debates on
Omar R. (2016)	practicality of academic services
	offered by business schools.
	Recent studies suggest business
	schools to collaborate with
	stakeholders to restore the
	relevance.
Navarro P.	A core MBA curriculum
(2008)	organized along functional silo
(2000)	lines that continue to give short
	shrift to features such as soft-
	skill development, corporate
	social responsibility,
	information technology, and a
Chia D	global perspective of business.
Chia R.,	The study makes clear here is
Holt R. (2008)	that knowledge by
	representation must be treated
	as
	indicative of open-ended
	tendencies—arrests in form and
	matter to what is a transient and
	everchanging nature of the real
	business experience . The study
	makes an effort to make
	management research and
	education more "relevant" to
	practice.
	1 F - 20000.

Waters J.A. (1980)	Although skill development is based on learning from experience, it can also be said that a meta-goal of skill development is for learners to sharpen their ability to learn from their own experience.
Bennis W., & O'Toole J. (2005)	Explained the crisis in management education is far broader in scope, bad culture of business schools. Reported many leading B schools have quietly adopted an inappropriate—and ultimately self-defeating—model of academic excellence. Instead of measuring themselves in terms of the competence of their graduates, or by how well their faculties understand important drivers of business performance.

Although Management education or business education is an accredited professional degree program both at undergraduate or post graduate level which aims to develop work ready managers to meet the future global business environment, many researchers around the conclusively highlighted that the link between the competency mapping (or the identification of the present and future workplace competency demands) and the present management education is yet unexplored. Although many researchers enumerated the various workplace competencies like time management, written communication, listening, team work, critical thinking, coping with stress, creative thinking, and oral communication, etc. which are of great importance for the future global managers but it is also reflected from the journals/articles of many researchers that B-schools around the globe grown tremendously although have mushrooms; but have not been successful in adopting a competency based career framework or a competency modelling course curriculum and thereby ultimately failed to develop a model of academic excellence. This dynamic and ever changing business environment expects the future managers to be resilient in managing self, people

and business and the various management functions with integrity and social responsibility in any challenging situation. And therefore, researchers have identified the crux of the problem and suggested that in order to overcome the failure of the present B-schools to build workready future managers, the present B-schools needs to come out of its comfort zone and moneymaking trade and rather mitigate this crisis through a joint collaboration with stakeholders, industry experts to regain its relevance and quality. Management education curricula in today's context need to drift from its traditional and out-dated methodologies and theoretical approaches to a practical reflexivity sustainable approaches with much emphasis on features such as problem solving and crisis management, experiential learning, creative thinking, soft-skill development, corporate social responsibility, information technology, and a global perspective of business. Recent studies have recommended that for the validity of management education in the future, it is high time that management education demonstrate quality parameters through experiential learning and action-based methodologies by orienting their students on the different aspects of managing businesses through "on the job experience".

IX.Emerging Paradigms for NEP-2020 (India)

New education policy (NEP-2020) was passed by Indian education ministry with a hope to push forward the India as the knowledge superpower. With the realisation for the "need of the hour to revamp existing educational models and align learning outcomes with the demands of a changing business environment,"44 NEP has focussed on multi-disciplinary approach. accomplish the vision to make the youth selfreliant through skill-based education the document has been ushering the higher and specially management education can guide the whole education. Government initiatives for providing skill based employment opportunity may boost up the educators in imparting, also learning of the discovered plethora of workplace skills⁴⁵. Many a time, we find elsewhere promotion of the digital

skills in the context of NEP-2020¹. But, this is a lamenting fact that the policy for execution skills inventories developing for disciplines under academic ambit are still doubtful under NEP even in future. Knowing the nature of academic and intellectual hotchpotch in India the skills and competency ecology, the hard areas of skills may get a centre stage of implementation. The implementers of NEP must know the when there are absence of workplace skills, whatever level of hard may surely become a fuss. The ongoing pandemic situations in the globe and in India, dictating to consider the learning of workplace competencies, though many futurists predicting more of remote working. We know, situation will not remain same for ever. Only matter is the education sector as a whole, need to take care about inhibiting level of political whack in the minds of learners, teachers, faculties, researchers, administrators, the myopic departmental and ministerial work style may undoubtedly in compulsion to ignore the aspect training workplace issues and competencies to the learners. Our paper may pave as the input for promoting competencies and skills through the higher and professional educations.

10. Conclusion

The review concludes with findings that the increasing need for competent employees in the modern workplace, and competency development has got a core focus in higher educational curriculum. Many studies on higher educations are revealing that the reforms in higher education curriculum and industry-education collaboration framework have already been stressed by many of the researches, as reviewed in this study. Studies on management education have been echoing as the leading part in developing managerial and workplace competencies among the B-schools students for furthering the globally competent managers to face the latest management challenges. This triangulation has reveals that the present management education curriculum's have been enabling to face the global labour market

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¹ C. Thomas (August, 2020), Digital Skills for a Digital India: NEP 2020 & The Workforce of Tomorrow, in the URL

needs, have become a cause of concern around the entire globe. The management education should develop relevant workplace skills and competencies to increase their employability and success in the long run.

In this miniature meta-analysis disclosing the fact that most of the researches on workplace competency in management education is being done prominently in US and Europe. However, comparatively fewer researches are available in African and Asian country context. This facts posits a question for concern that-does the present management educational curriculum are able to support the acquisition of workplace competencies among the management graduates to make them competent managers in the future workplace in the context of Asian countries, or the in context of India. More specifically, B-Schools in North East India's curriculums exercised the spirit of acquisition of work place competencies? To get a clear and detailed answer to the above questions, a full-fledged research is required! Our further course of action is to concentrate on this issue especially to understand the North East Indian B-Schools' curriculum in enabling to acquire workplace competences among business learners.

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ANNEXURE- A:

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Literature						
	Authors					
Literatures	Akatieva L., and et.al (2015); Burganova					
on	R.I., & et.al. (2016); Alexandra G.A.,					
competency	&Anzhela S.V. (2014); Coll R.K., &					
development	Zegwaard E.K. (2006); Barman A., &					
in Higher	Konwar J. (2011); Rissi, J.J. & Gelmon					
Education	S.B. (2014); Rainsbury E. & et.al. (2002);					
and in	Sharma P. (2017); Philibert I. (2015);					
	Kapucu N. (2011);Assamoi O., &					
various	Christophe A. (2015); Hedrick J.A., and					
Multi-	et.al. (2015); Bennett, J.V. (2007);					
disciplinaries	Verhaest, D. & Baert, S. (2017); Salleh, R.					
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Papers	Singh, G.K.G. & Singh, S.K.G. (2008);					
(in	Siddoo, V., & et.al. (2017); Rampersad,					
Annexure-A)	G.C. (2015);Rademacher, A., & et.al.					
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Literatures on Competency in Higher Education and in Multi-disciplines

Table-2

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S	Y r.	Title	Autho r	Journal	D	Place	Meth odolo gy
1	2 0 1 5	Develo ping Gradua te Compe tency Model for Bachel or of Touris m	Akatie va L., Batalo va L., Merzly akova G., Okonn ikova T.	Procedia – Social and Behavioural Sciences (Elsevier) Vol. 214 December 2015 pp. 375 – 384	P	Institut e of Social Comm unicati ons, Udmurt State Univers ity, Russia	Quant itative and Empir ical Resea rch
2	2 0 1 6	The Profess ional Compe tence Format ion in the Trainin g proces s in Higher Educat ional Institut ion	Burga nova R.I., Abdug alina E.S., & Shaihe slyamo va K.O.	International Journal of Environment al and Science Education, Vol. 11, Issue 10, 2016, pp 3629- 3639	S	Literatu res	Descr iptive and Revie w based Resea rch
3	2 0 1 4	Topica I Issues of Formin g Profess ional Competencies the Trainin g of Bachel ors of Touris m at the Far Easter n Federa I Univer sity	Alexan dra G.A., & Anzhel a S.V.	World Applied Sciences Journal, Vol. 29, Issue 2, 2014, pp 223 - 227	P	Federal Educati onal Standar ds (FSES) , Russia	Quant itative and Empir ical Resea rch

4	2 0 0 6	Perceptions of desirab le gradua te compet encies for science and technol ogy new gradua tes	Coll R.K., Zegwa ard E.K.	Research in Science and4 amp; Technologic al Education (Routledge), Vol.24, Issue 1, pp 29 – 58, DOI: 10.1080/026 3514050048 5340	P	School of Science and Techno logy (now School of Science and Engine ering), University of Waikat o, New Zealan d.	Quant itative and Empir ical Resea rch
5	2 0 1 1 1	Competency Based Curric ulum in Higher Educat ion: A Necess ity Groun ded by Global ization	Barma n A., Konwa r J.	Romanian Journal for Multidimens ional Education, 2011, Vol 3, No. 6, April, pp: 7-15	S	Literatu res	Descr iptive and Revie w based Resea rch
6	2 0 1 4	Develo pment, Imple mentat ion, and Assess ment of a Compe tency Model for a Gradua te Public Affairs Progra m in Health Admin istratio n	Rissi J.J., Gelmo n S.B.	Journal of Public Affairs Education, Vol.20, No.3, Pp 335-352	Ø	Accreditation reviews by NASP AA, CAHM E (Council for Accreditation of Health Management Education) and CEPH (Council on Education for Public Health) in America	Descr iptive and Revie w based Resea rch

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1 0	2 0 1 1	Develo ping Compe tency-Based Emerg ency Manag ement Degree Progra ms in Public Affairs and Admin istratio n	Kapuc u N.	Journal of Public Affairs Education, Vol.17, No. 4, Pp 501- 521	P	student s of Emerge ncy Manag ement and Homela nd Securit y Gradua te course by UCF (Univer sity of Central Florida), US	Quant itative and Empir ical Resea rch
1	2 0 1 5 5	Core Compe tencies Develo pment among Scienc e and Techn ology Colleg e student s and New Gradua tes.	Assam oi O., Christ ophe A.	American Journal of Educational Research, August 2015, Vol.3, No.9, Pp 1077-1084	P	College student s of science and technol ogy graduat es in Korean Univers ity	Empir ical Resea rch and Quant itative Resea rch
1 2	2 0 1 5	Analys is of Workf orce Skills in High School Gradua tes: Self Report of High School Senior s in North West Ohio	Hedric k J.A., Homa n G., Dick J.	Journal of Youth Development , Spring 2015, Vol. 10, No.1	P	875 High School seniors from 16 North west Ohio High Schools	Descr iptive Resea rch

1 3	2 0 0 7 7	Work based learnin g and social suppor t: Relativ e influen ces on high school seniors occupa tional engage ment orienta tions	Bennet t, J.V.	Career and Technical Education Research, Vol.32, No.3, Pp 187-214	S	1741 high school senior student s of 17 school districts of Mid- western City Schools in US.	Quant itative and Descr iptive Resea rch
1 4	2 0 1 7	The effects of workpl ace learnin g in higher educati on on unemp loyme nt and match quality: is there an early-career trade-off?	Verhae st, D. Baert, S.	Empirical Economics (Empir Econ)	P	3000 respond ents in the age of 23 in Belgiu m, US	Quant itative and Empir ical resear ch
1 5	2 0 1 3 3	Profili ng Industr y Releva nt Compe tencies of Gradua te Archit ect throug h Online Job Advert isemen t	Salleh, R. Yusoff , A. Amat, S.C. Noor, A.M. Sureda h, N.	International Business Research, October 2013, Vol.6, No.11, Pp 43-51	P	32 advertis ements collecte d (in Malays ia).	Quant itative and Empir ical Resea rch

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6	2 0 1 0	An interna tional profile of industr y relevan t compet encies and skill gaps in moder n gradua tes	Jackso n, D.	Journal of Management Education, Vol. 8, No.3, Pp 29-58.	S	Literatures	Descr iptive and Revie w based Resea rch
1 7	2 0 0 3 3	Emplo yer Needs and Gradua te Skills: The Gap betwee n Emplo yer Expect ations and Job Expect ations of Sri Lanka n Univer sity Gradua tes	Weliga mage, S., Siengt hai, S.	In Proc. 9th International Conference on Sri Lanka Studies, Mattra, SriLanka	P	student s of three Srilank an Univers ities and 30 faculty membe rs.	Quant itative and Empir ical Resea rch
1 8	2 0 0 8	Malays ian Gradua tes' Emplo yabilit y Skills	Singh, G.K.G. , Singh, S.K.G.	UNITAR E- JOURNAL, Vol.4, No.1, Pp 15-45	P	graduat e student s around the Klang Valley, Malays ia	Quant itative and Empir ical Resea rch

1 9	2 0 1 7	Explor ing the Compe tency Gap of IT student s in Thaila nd: The Emplo	Siddoo , V., Sawatt awee, J., Jancha i, W., Yodm ongkoi , P.	Journal of Technical Education and Training (JTET), Vol.9, No.2, Pp 1-15	P	49 IT compan ies of Thailan d who joined the Work Integrat ed Learnin g	Quant itative and Empir ical Resea rch
		yers' view of an Effecti ve Workf orce				(WIL) progra m.	
2 0	2 0 1 5 5	Buildi ng Univer sity Innova tion Ecosys tems: The Role of Work Integra ted Learni ng as a Core Eleme nt in the Univer sity- Industr y Nexus.	Rampe rsad, G.C.	Journal of Research in Business, Economics and Management , Vol.4, No.1, PP 231-240	S	Literatures	Descr iptive and Revie w based Resea rch
2 1	2 0 1 4	Investi gating the Skill Gap Betwe en Gradua ting Studen ts and Industr y Expeca tions	Radem acher, A., Walia, G., Knuds on D.	Proceedings of the 36th International Conference on Software Engineering Pages 291- 300, Hyderabad, India, 2014	P	twenty- three manage rs or hiring personn el at various compan ies located predom inantly in the US	Quant itative and Empir ical Resea rch

2 2	2 0 1 6	The Profess ional Competence Formation in the Trainin g Process in Higher Educational Institution	Burga nova R.I., Abdug alina S.E., Shaihe slyamo va K.O.	International Journal of Environment al and Science Education, Vol.11, No.10, Pp 3629-3639	P	Special ist training progra m in Kazakh stan	Quant itative and Empir ical Resea rch
2 3	2 0 1 1	Develo pment of Profess ional Compe tencies in Engine ering Educat ion	Cajand er, A., Daniel s, M., Konsk y, R.V.	41st ASEE/IEEE Frontiers in Education Conference S1C-1, October 12 - 15, 2011, Rapid City, South Dakota	S	Curtin's iPortfol io - 9 graduat e attribut es from Curtin Univers ity in Perth, Austral ia	Theor etical and descri ptive resear ch
2 4	2 0 1 4	Evalua ting the Compe tency Misma tch betwee n Master of Engine ering gradua tes and industr y needs in China	Peng, L., Zhang, S., Gu, J.	Studies in Higher Education, August 2014, Vol.41, No.3, Pp 445-461.	P	240 graduat e student s and alumni of Master of Engine ering from Univers ity of Science and Techno logy of China	Quant itative and Empir ical Resea rch

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2 5	2 0 0 4	Action Learni ng in Higher Educat ion: an investi gation of its potenti al to develo p profess ional capabil ity	Lizzio, A., Wilson , K.	Studies in Higher Education, Vol.29, No.4, Pp 469-488	P	yr. behavio ural science student s and 155 1 st and 2 nd yr. student s.	Quant itative and Empir ical Resea rch
2 6	2 0 0 6	Competencies for young Europe an higher educati on gradua tes: labour market mismat ches and their payoff s	Garcia -Aracil A., Velden R.	Higher Education, Vol.55, No.2, Pp 219-239	P	36000 Europe an HE Gradua tes	Quant itative and Empir ical Resea rch
2 7	2 0 1 2	Compe tencies in Higher Educat ion: A Critica l Analys is from the Capabi lities Appro ach	Lozan o J.F., Boni A., Peris J., Hueso A.	Journal of Philosophy of Education, Vol. 46, No. 1, 2012, Pp 132-147	P	Literatu res	Descr iptive and Revie w based Resea rch
2 8	2 0 0 9	Achieving Competence- Based Curriculum In Engine ering Education In Spain	Edwar ds, M., Sánche z-Ruiz, L.M., Sánche z-Díaz, C.	INGENIO CSIC-UPV, Working Paper No. 2009/04.	P	teacher s concern ing Europe an conver gence and ECTS, Spain	Quant itative and Empir ical Resea rch

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		Vol.4, No.2,			
		Pp. 104–121,			

D: Data, P: Primary Data, S: Secondary Data

Annexure- B: Literatures on Competency development in Management or Business Education:

Table 2

S l.	ye ar	Title	Author	Journal	D	Place	Metho dolog v
1	20 14	Competency Modelling in an Undergraduate Management Degree Program	Marsh S.J., Bishop T.R.	Busines s Educati on and Accredi tation	S	Literat ures	Descri ptive and Revie w based Resear ch

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2	20 02	Learning Cognitive and Emotional Intelligence Competencies through graduate management education	Boyatzi s R.E., Stubbs E.C., Taylor S.N.	Academ y of Manage ment Learnin g and Educati on, Vol. 1, No.2, Pp 150- 162	P	Weath erhead School of Manag ement (WSO M), Case Wester n Reserv e Univer sity.	Quanti tative and Empir ical Resear ch
3	20 04	An Integrated Competency- Based Approach to Management Education: an Italian MBA Case study	Camuff o A., Gerli F.	Internat ional Journal of Trainin g and Develo pment, Vol.8, No.4, pp 240- 257	P	Sampl e of 30 MBA gradua tes taken from total of 182 MBA gradua tes from CUOA MBA progra m	Quanti tative and Empir ical Resear ch
4	20 09	How Relevant is the MBA? Assessing the alignment of Required Curricula and Required Managerial Competencies	Rubin R.S., Dierdor ff E.C.	Academ y of Manage ment Learnin g and Educati on, Vol.8, No.2, pp 208- 224	P	Assoc. to Advan ce Colleg iate School s of Busine ss (AAC SB; Thomp son, 2004). 373 Busine ss school s were taken.	Quanti tative and Empir ical Resear ch

5	20 03	Capitalising on Learning: An Exploration of the MBA as a Vehicle for Developing Career Competencies	Sturges J., Simpso n R., Altman Y.	International Journal of Trainin g and Develo pment, Vol.7, No.1, pp 53- 67	P	Canadi an MBA gradua tes from leadin g Canadi an Busine ss school s based in Toront o	Quanti tative and Empir ical Resear ch
6	20 12	Skills, Competencies and Employability through Business Education	Tiwari (Mishra) S.	AIMA Journal of Manage ment and Researc h, Novem ber 2012, Vol.6, Issue 4	P	industry profess ionals with over 10 years of experi ence in manag ement positio ns.	Descri ptive and Revie w based Resear ch
7	20 11	The development of managerial skills in MBA programs: A reconsideratio n of learning goals and assessment procedures.	Varela O., Burke M., Michel N.	Journal of Manage ment Develo pment, Vol. 32, No. 4, Novem ber 2011, pp 435-452	S	Literat ures	Descri ptive and Revie w based Resear ch
8	20 18	Factors Influencing Management Development of MBA Students: Exploring Concerns of Business Schools in Pakistan	Syed O.R., Omar R., Bhutto A.	International Interdis ciplinar y Busines s- Econom ics Advanc ement Journal (IIBA), Februar y 2018, Vol.3, No.1, pp 1-18	P	Deans, faculty memb ers and admini strator s of five differe nt busine ss school s in Hyder abad, Pakista n	Quanti tative and Empir ical Resear ch

9	20 13	Business school output: A conceptualisati on of business school graduates.	Ortenbl ad A., Koris R., Farquha rson M., Hsu S.B.	The Internat ional Journal of Manage ment Educati on, Februar y 2013, Vol.11, No.2, Pp 85-92	S	Literat ures	Descri ptive and Revie w based Resear ch
1 0	20 14	Relevance or 'relevate'? How university business schools can add value through reflexively learning from strategic partnerships with business.	Paton S., Chia R., Burt G.	Manage ment Learnin g, June 2014, Vol.45, No.3, pp 267- 288	P	cohort s of 8- 12 directo rs/ senior manag ers from differe nt busine ss functions & geogra phic locations.	Quanti tative and Empir ical Resear ch
1 1	20 14	Management Education as a Tool for Developing and Sustaining Emerging Economies	Chitrao P.	Procedi a - Social and Behavio ural Science s, Vol. 133 pp. 240 - 248	S	B- school s across the world	Quanti tative and Empir ical Resear ch
1 2	20 14	Business Schools in India: Issues and Perspectives	Jayaram an S. Arora S.	AIMA Journal of Manage ment & Researc h, May 2014, Volume 8 Issue 2/4,	S	Literat ures	Descri ptive and Revie w based Resear ch

3	20 17	A Competency Model for Management Education for Sustainability	Sharma R.R.	Vision: The Journal of Busines s Perspec tive (SAGE) , Vol.21, No.2, pp 10- 15	S	PRME initiati ve, Global Compa ct Leader s' Summi t, UN, 2007.	Quanti tative and Empir ical Resear ch
1 4	20 13	Role of Employability Skills in Management Education: A Review	Nawaz M.N., Reddy B.K.	ZENIT H Internat ional Journal of Busines s Econom ics & Manage ment Researc h (ZIJBE MR), Vol.3, No.8, August 2013, pp 34-45	S	Nation al Emplo yabilit y Report , MBA Gradu ates 2012,	Descri ptive and Revie w based Resear ch
1 5	20 12	Developing Business Acumen in Chinese Business School Graduates	Veliyat h R., Stivers B., Hair J.F., Joyce T., & Sarstedt M.	Journal of Emergi ng Knowle dge on Emergi ng Markets Novem ber 2012, Vol.4, No. 1/6	P	Chines e busine ss gradua tes and Chines e Busine ss Enterp rises	Quanti tative and Empir ical Resear ch

1 6	20 15	Impact of Management Education on Skill Development: A Study of Alumni of Management Institutes in Kerala State	Nair V.R., Mathew G.K.	Ushus Journal of Busines s Manage ment, Vol. 14, No. 4, Pp 33- 45	P	Alumn i of the MBA institut es, in Kerala which have a standin g of at least 5 yrs. in the state. Sampl e size is 381.	Quanti tative and Empir ical Resear ch
7	20 16	Sustainability education in Indian business schools: a status review	Jose P.D.	AD-minister , Vol.1, No. 28, Pp. 255- 272, July 2016. ISSN 2256- 4322	S	Literat ures	Descri ptive and Revie w based Resear ch
1 8	20 03	Business Graduate Competencies: Employers' Views on Importance and Performance	Hodges D., Burchel I N.	Asia Pacific Journal of Cooper ative Educati on, April 2003, Vol. 4, No.2, pp 16- 22	P	Emplo yers in Auckla nd, New Zealan d. Sampl e size 154.	Quanti tative and Empir ical Resear ch
1 9	19 96	Reframing Competency in Management Development	Antona copoulo u E. P., FitzGer ald L.	Human Resourc e Manage ment Journal, Vol.6, No.1, Pp 27- 48	S	Literat ures	Descri ptive and Revie w based Resear ch
0	19 82	Toward Competency- based Management Education: The Interpersonal/c ommunication s cluster	Kline D.S.	Develo pments in Busines s Simulat ion & Experie ntial Exercis es, Vol. 9, Pp 124-127	P	Four diverse Easter n seaboa rds college s and univer sities	Quanti tative and Empir ical Resear ch

2 1	20 13	Responsible management education for a sustainable world The challenges for business schools	Dyllick T.	Journal of Manage ment Develo pment, Decemb er 2013, Vol. 34, No.1, Pp 16- 33	S	Literat ures	Descri ptive and Revie w based Resear ch
2 2	20 18	Perspectives on Graduate Employability Attributes for Management Science Graduates	Shivoro R.S., Shalyef u R.K. Kadhila N.	South African Journal of Higher Educati on, Vol. 32, No.1, Pp 216- 232	P	Manag ement Scienc e Gradu ates from HEIs in Namib ia	Quanti tative and Empir ical Resear ch
2 3	20 15	Assessment of Management Competencies Possessed by Post Graduate University Business Education students to Handle Entrepreneursh ip Challenges in Nigeria.	Okoro, James	Journal of Educati on and Practise , Vol. 6, No. 18, Pp 129- 136	P	5 Univer sity in Nigeri a.	Quanti tative and Empir ical Resear ch
2 4		Competency Assessment: Can Graduate Business Education Meet Corporate Requirements?	Martino vic M.	Recent Advanc es in Busines s Manage ment and Marketi ng, ISBN: 978- 960- 474- 306-3, Pp. 200-204	P	84 gradua te student s in the Univer sity of Dubro vnik, Croati a	Quanti tative and Empir ical Resear ch

5	20 12	Competency development in business graduates: An industry- driven approach for examining the alignment of undergraduate business education with industry requirements.	Azeved o A., Apfelth aler G., Hurst D.	The Internat ional Journal of Manage ment Educati on, Vol. 10, Pp 12-28	P	MISL EM Project , includ ed nine partner s from four Europe an countri es (Austri a, the UK, Sloven ia and Roman	Descri ptive, Analyt ical Resear ch
2 6	20 16	Restoring the Relevance: Conceptualizin g a Collaboration Model for Business Schools	Sayed O.R., Omar R.	International Interdis ciplinar y Busines s- Econom ics Advanc ement Journal (IIBA Journal) , October 2016, Vol.1, No.2, pp 85- 93.	S	Literat ures	Descri ptive and Revie w based Resear ch
2 7	20 08	The MBA Core Curricula of Top-Ranked U.S. Business Schools: A Study in Failure?	Navarro P.	Academ y of Manage ment Learnin g & Educati on, Vol. 7, No. 1 March 2008, pp. 108- 123	P	Top 50 US B school s	Quanti tative and Empir ical Resear ch

2	20	The Nature of	Chia R.,	Academ	S	Literat	Descri
8	08	Knowledge in	Holt R.	y of		ures	ptive
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2	19	Managerial	Waters	Academ	S	Literat	Descri
9	80	Skill	J.A.	y of		ures	ptive
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3	20	How Business	Bennis	Harvard	S	Literat	Descri
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D: Data, P: Primary data, S: Secondary Data *Dr. Arup Barman is corresponding author of this paper.

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ANNEXURE- A:

	ANNEXURE- A:
Literature	
	Authors
Literatures on competency development in Higher Education and in various Multi- disciplinaries	Akatieva L., and et.al (2015); Burganova R.I., & et.al. (2016); Alexandra G.A., & Anzhela S.V. (2014); Coll R.K., & Zegwaard E.K. (2006); Barman A., & Konwar J. (2011); Rissi, J.J. & Gelmon S.B. (2014); Rainsbury E. & et.al. (2002); Sharma P. (2017); Philibert I. (2015); Kapucu N. (2011); Assamoi O., & Christophe A. (2015); Hedrick J.A., and et.al. (2015); Bennett, J.V. (2007); Verhaest, D. & Baert, S. (2017); Salleh, R.
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Literatures on competency development in Management Education	Marsh S.J., & Bishop T.R. (2014); Boyatzis R.E., & e.al. (2002); Camuffo A., & Gerli F. (2004); Rubin R.S. & Dierdorff E.C. (2009); Sturges J. & et.al. (2003); Tiwari (Mishra) S. (2002); Varela O. & et.al. (2011); Syed O.R. & et.al. (2018); Ortenblad A. & et.al. (2013); Paton S., & et.al. (2014); Chitrao P. (2014); Jayaraman S.& Arora S. (2014); Sharma R.R.(2017); Nawaz M.N., Reddy
30 Research Paper (in Annexure-B)	B.K. (2013); Veliyath R., & et.al. (2012); Nair V.R. & Mathew G.K. (2015); Jose P.D. (2016); Hodges D., Burchell N. (2003); Antonacopoulou E. P. & FitzGerald L. (1996); Kline D.S. (1982); Dyllick T. (2013); Shivoro R.S. & et.al. (2018); Okoro, J. (2015); Martinovic M. (2006); Azevedo A.& et.al. (2012); Sayed O.R. & Omar R. (2016); Navarro P. (2008); Chia R. & Holt R. (2008); Waters J.A. (1980); Bennis W. & O'Toole J. (2005)

Literatures on Competency in Higher Education and in Multi-disciplines

Table-2

\mathbf{S}	Y		Autho	Journal	D	Place	Meth
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	1	Gradua	Batalo	Behavioural		Social	and
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3	2 0 1 4	Topica I Issues of Formin g Profess ional Compe tencies the Trainin g of Bachel ors of Touris m at the Far Easter n Federa I Univer sity	Alexan dra G.A., & Anzhel a S.V.	World Applied Sciences Journal, Vol. 29, Issue 2, 2014, pp 223 - 227	P	Federal Educati onal Standar ds (FSES) , Russia	Quant itative and Empir ical Resea rch
4	2 0 0 6	Perceptions of desirab le gradua te compet encies for science and technol ogy new gradua tes	Coll R.K., Zegwa ard E.K.	Research in Science and4 amp; Technologic al Education (Routledge), Vol.24, Issue 1, pp 29 – 58, DOI: 10.1080/026 3514050048 5340	P	School of Science and Techno logy (now School of Science and Engine ering), Univers ity of Waikat o, New Zealan d.	Quant itative and Empir ical Resea rch
5	2 0 1 1	Compe tency Based Curric ulum in Higher Educat ion: A Necess ity Groun ded by Global ization	Barma n A., Konwa r J.	Romanian Journal for Multidimens ional Education, 2011, Vol 3, No. 6, April, pp: 7-15	S	Literatu res	Descr iptive and Revie w based Resea rch

6	2 0 1 4	Develo pment, Imple mentat ion, and Assess ment of a Compe tency Model for a Gradua te Public Affairs Progra m in Health Admin istratio n	Rissi J.J., Gelmo n S.B.	Journal of Public Affairs Education, Vol.20, No.3, Pp 335-352	S	Accreditation reviews by NASP AA, CAHM E (Council for Accreditation of Health Management Education) and CEPH (Council on Education for Public Health) in America	Descr iptive and Revie w based Resea rch
7	2 0 0 2 2	Rankin g Workp lace Compe tencies : Studen ts and Gradua te Percep tions	Rainsb ury E., Hodge s D., Burche Il N.	Asia-Pacific Journal of Cooperative Education, October 2002, Vol.3, No.2, Pp 8- 18	P	student s of BBS (Bachel or of Busines s studies) degree at UNITE C, New Zealan d	Quant itative Resea rch, Ranki ng metho d
8	2 0 1 7	Compe tence Develo pment at the Workp lace: a concep tual frame work	Sharm a P.	JK International Journal of Management and Social Science (JKIJMS), Vol. 1, No.1, Pp 39-44	S	Literatu res	Descr iptive and Revie w based Resea rch

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1 5	2 0 1 3	Profili ng Industr y Releva nt Compe tencies of Gradua te Archit ect throug h Online Job Advert isemen t	Salleh, R. Yusoff , A. Amat, S.C. Noor, A.M. Sureda h, N.	International Business Research, October 2013, Vol.6, No.11, Pp 43-51	P	32 advertis ements collecte d (in Malays ia).	Quant itative and Empir ical Resea rch
1 6	2 0 1 0	An interna tional profile of industr y relevan t compet encies and skill gaps in moder n gradua tes	Jackso n, D.	Journal of Management Education, Vol. 8, No.3, Pp 29-58.	S	Literatu res	Descr iptive and Revie w based Resea rch
1 7	2 0 0 3 3	Emplo yer Needs and Gradua te Skills: The Gap betwee n Emplo yer Expect ations and Job Expect ations of Sri Lanka n Univer sity Gradua tes	Weliga mage, S., Siengt hai, S.	In Proc. 9th International Conference on Sri Lanka Studies, Mattra, SriLanka	P	student s of three Srilank an Univers ities and 30 faculty membe rs.	Quant itative and Empir ical Resea rch

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1 8	2 0 0 8	Malays ian Gradua tes' Emplo yabilit y Skills	Singh, G.K.G. , Singh, S.K.G.	UNITAR E- JOURNAL, Vol.4, No.1, Pp 15-45	P	graduat e student s around the Klang Valley, Malays ia	Quant itative and Empir ical Resea rch
1 9	2 0 1 7	Explor ing the Compe tency Gap of IT student s in Thaila nd: The Emplo yers' view of an Effecti ve Workf orce	Siddoo , V., Sawatt awee, J., Jancha i, W., Yodm ongkoi , P.	Journal of Technical Education and Training (JTET), Vol.9, No.2, Pp 1-15	P	49 IT compan ies of Thailan d who joined the Work Integrat ed Learnin g (WIL) progra m.	Quant itative and Empir ical Resea rch
2 0	2 0 1 5	Buildi ng Univer sity Innova tion Ecosys tems: The Role of Work Integra ted Learni ng as a Core Eleme nt in the Univer sity- Industr y Nexus.	Rampe rsad, G.C.	Journal of Research in Business, Economics and Management , Vol.4, No.1, PP 231-240	S	Literatures	Descr iptive and Revie w based Resea rch

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2 1	2 0 1 4	Investi gating the Skill Gap Betwe en Gradua ting Studen ts and Industr y Expeca tions	Radem acher, A., Walia, G., Knuds on D.	Proceedings of the 36th International Conference on Software Engineering Pages 291- 300, Hyderabad, India, 2014	P	twenty- three manage rs or hiring personn el at various compan ies located predom inantly in the US	Quant itative and Empir ical Resea rch
2 2	2 0 1 6	The Profess ional Competence Format ion in the Trainin g Proces s in Higher Educat ional Institut ion	Burga nova R.I., Abdug alina S.E., Shaihe slyamo va K.O.	International Journal of Environment al and Science Education, Vol.11, No.10, Pp 3629-3639	P	Special ist training progra m in Kazakh stan	Quant itative and Empir ical Resea rch
2 3	2 0 1 1 1	Develo pment of Profess ional Compe tencies in Engine ering Educat ion	Cajand er, A., Daniel s, M., Konsk y, R.V.	A1st ASEE/IEEE Frontiers in Education Conference S1C-1, October 12 - 15, 2011, Rapid City, South Dakota	S	Curtin's iPortfol io - 9 graduat e attribut es from Curtin Univers ity in Perth, Austral ia	Theor etical and descri ptive resear ch
2 4	2 0 1 4	Evalua ting the Compe tency Misma tch betwee n Master of Engine ering gradua tes and industr y needs in China	Peng, L., Zhang, S., Gu, J.	Studies in Higher Education, August 2014, Vol.41, No.3, Pp 445-461.	P	240 graduat e student s and alumni of Master of Engine ering from Univers ity of Science and Techno logy of China	Quant itative and Empir ical Resea rch

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2 5	2 0 0 4	Action Learni ng in Higher Educat ion: an investi gation of its potenti al to develo p profess ional capabil ity	Lizzio, A., Wilson , K.	Studies in Higher Education, Vol.29, No.4, Pp 469-488	P	106 3 rd yr. behavio ural science student s and 155 1 st and 2 nd yr. student s.	Quant itative and Empir ical Resea rch
2 6	2 0 0 6	Competencies for young Europe an higher educati on gradua tes: labour market mismat ches and their payoff s	Garcia -Aracil A., Velden R.	Higher Education, Vol.55, No.2, Pp 219-239	P	36000 Europe an HE Gradua tes	Quant itative and Empir ical Resea rch
2 7	2 0 1 2	Compe tencies in Higher Educat ion: A Critica I Analys is from the Capabi lities Appro ach	Lozan o J.F., Boni A., Peris J., Hueso A.	Journal of Philosophy of Education, Vol. 46, No. 1, 2012, Pp 132-147	P	Literatu res	Descr iptive and Revie w based Resea rch
2 8	2 0 0 9	Achieving Competence-Based Curriculum In Engine ering Education In Spain	Edwar ds, M., Sánche z-Ruiz, L.M., Sánche z-Díaz, C.	INGENIO CSIC-UPV, Working Paper No. 2009/04.	P	37 teacher s concern ing Europe an conver gence and ECTS, Spain	Quant itative and Empir ical Resea rch

2 9	2 0 1 0	Develo pment of Competence based management and Performance Assessment System for Academic Management: Empirical	Tripat hi, P., Suri, R.K.	International Journal of Innovation, Management and Technology, October 2010, Vol. 1, No. 4, Pp 357- 361	P	facultie s, consisti ng of Lecture rs, Senior Lecture rs, Assista nt Profess ors, Profess ors and Deans of the educati onal instituti	Quant itative and Empir ical Resea rch
3 0	2 0 1 6	Investi gation Rethin king Higher Educat ion: Focusi ng on skills and compet encies	Gerstei n, M., Friedm an, H.H.	Psychosociol ogical Issues in Human Resource Management , Psychosociol ogical Issues in Human Resource Management May 2016, Vol.4, No.2, Pp. 104–121,	S	ons. Literatu res	Descr iptive and Revie w based Resea rch

D: Data, P: Primary Data, S: Secondary Data

Annexure- B: Literatures on Competency development in Management or Business Education:

Table 2

S 1.	ye ar	Title	Author	Journal	D	Place	Metho dolog y
1	20 14	Competency Modelling in an Undergraduate Management Degree Program	Marsh S.J., Bishop T.R.	Busines s Educati on and Accredi tation	S	Literat ures	Descri ptive and Revie w based Resear ch

2	20 02	Learning Cognitive and Emotional Intelligence Competencies through graduate management education	Boyatzi s R.E., Stubbs E.C., Taylor S.N.	Academ y of Manage ment Learnin g and Educati on, Vol. 1, No.2, Pp 150- 162	P	Weath erhead School of Manag ement (WSO M), Case Wester n Reserv e Univer sity.	Quanti tative and Empir ical Resear ch
3	20 04	An Integrated Competency- Based Approach to Management Education: an Italian MBA Case study	Camuff o A., Gerli F.	Internat ional Journal of Trainin g and Develo pment, Vol.8, No.4, pp 240- 257	P	Sampl e of 30 MBA gradua tes taken from total of 182 MBA gradua tes from CUOA MBA progra m	Quanti tative and Empir ical Resear ch
4	20 09	How Relevant is the MBA? Assessing the alignment of Required Curricula and Required Managerial Competencies	Rubin R.S., Dierdor ff E.C.	Academ y of Manage ment Learnin g and Educati on, Vol.8, No.2, pp 208- 224	P	Assoc. to Advan ce Colleg iate School s of Busine ss (AAC SB; Thomp son, 2004). 373 Busine ss school s were taken.	Quanti tative and Empir ical Resear ch

5	20 03	Capitalising on Learning: An Exploration of the MBA as a Vehicle for Developing Career Competencies	Sturges J., Simpso n R., Altman Y.	International Journal of Trainin g and Develo pment, Vol.7, No.1, pp 53- 67	P	Canadi an MBA gradua tes from leadin g Canadi an Busine ss school s based in Toront o	Quanti tative and Empir ical Resear ch
6	20 12	Skills, Competencies and Employability through Business Education	Tiwari (Mishra) S.	AIMA Journal of Manage ment and Researc h, Novem ber 2012, Vol.6, Issue 4	P	industry profess ionals with over 10 years of experi ence in manag ement positio ns.	Descri ptive and Revie w based Resear ch
7	20 11	The development of managerial skills in MBA programs: A reconsideratio n of learning goals and assessment procedures.	Varela O., Burke M., Michel N.	Journal of Manage ment Develo pment, Vol. 32, No. 4, Novem ber 2011, pp 435-452	S	Literat ures	Descri ptive and Revie w based Resear ch
8	20 18	Factors Influencing Management Development of MBA Students: Exploring Concerns of Business Schools in Pakistan	Syed O.R., Omar R., Bhutto A.	International Interdis ciplinar y Busines s- Econom ics Advanc ement Journal (IIBA), Februar y 2018, Vol.3, No.1, pp 1-18	P	Deans, faculty memb ers and admini strator s of five differe nt busine ss school s in Hyder abad, Pakista n	Quanti tative and Empir ical Resear ch

9	20 13	Business school output: A conceptualisati on of business school graduates.	Ortenbl ad A., Koris R., Farquha rson M., Hsu S.B.	The Internat ional Journal of Manage ment Educati on, Februar y 2013, Vol.11, No.2, Pp 85-92	S	Literat ures	Descri ptive and Revie w based Resear ch
1 0	20 14	Relevance or 'relevate'? How university business schools can add value through reflexively learning from strategic partnerships with business.	Paton S., Chia R., Burt G.	Manage ment Learnin g, June 2014, Vol.45, No.3, pp 267- 288	P	cohort s of 8- 12 directo rs/ senior manag ers from differe nt busine ss functio ns & geogra phic locatio ns.	Quanti tative and Empir ical Resear ch
1 1	20 14	Management Education as a Tool for Developing and Sustaining Emerging Economies	Chitrao P.	Procedi a - Social and Behavio ural Science s, Vol. 133 pp. 240 - 248	S	B- school s across the world	Quanti tative and Empir ical Resear ch
1 2	20 14	Business Schools in India: Issues and Perspectives	Jayaram an S. Arora S.	AIMA Journal of Manage ment & Researc h, May 2014, Volume 8 Issue 2/4,	S	Literat ures	Descri ptive and Revie w based Resear ch

1 3	20 17	A Competency Model for Management Education for Sustainability	Sharma R.R.	Vision: The Journal of Busines s Perspec tive (SAGE) , Vol.21, No.2, pp 10- 15	S	PRME initiati ve, Global Compa ct Leader s' Summi t, UN, 2007.	Quanti tative and Empir ical Resear ch
144	20 13	Role of Employability Skills in Management Education: A Review	Nawaz M.N., Reddy B.K.	ZENIT H Internat ional Journal of Busines s Econom ics & Manage ment Researc h (ZIJBE MR), Vol.3, No.8, August 2013, pp 34- 45	S	Nation al Emplo yabilit y Report , MBA Gradu ates 2012,	Descri ptive and Revie w based Resear ch
1 5	20 12	Developing Business Acumen in Chinese Business School Graduates	Veliyat h R., Stivers B., Hair J.F., Joyce T., & Sarstedt M.	Journal of Emergi ng Knowle dge on Emergi ng Markets Novem ber 2012, Vol.4, No. 1/6	P	Chines e busine ss gradua tes and Chines e Busine ss Enterp rises	Quanti tative and Empir ical Resear ch

1 6	20 15	Impact of Management Education on Skill Development: A Study of Alumni of Management Institutes in Kerala State	Nair V.R., Mathew G.K.	Ushus Journal of Busines s Manage ment, Vol. 14, No. 4, Pp 33- 45	P	Alumn i of the MBA institut es, in Kerala which have a standin g of at least 5 yrs. in the state. Sampl e size is 381.	Quanti tative and Empir ical Resear ch
7	20 16	Sustainability education in Indian business schools: a status review	Jose P.D.	AD-minister , Vol.1, No. 28, Pp. 255- 272, July 2016. ISSN 2256- 4322	S	Literat ures	Descri ptive and Revie w based Resear ch
1 8	20 03	Business Graduate Competencies: Employers' Views on Importance and Performance	Hodges D., Burchel I N.	Asia Pacific Journal of Cooper ative Educati on, April 2003, Vol. 4, No.2, pp 16- 22	P	Emplo yers in Auckla nd, New Zealan d. Sampl e size 154.	Quanti tative and Empir ical Resear ch
1 9	19 96	Reframing Competency in Management Development	Antona copoulo u E. P., FitzGer ald L.	Human Resourc e Manage ment Journal, Vol.6, No.1, Pp 27- 48	S	Literat ures	Descri ptive and Revie w based Resear ch
2 0	19 82	Toward Competency- based Management Education: The Interpersonal/c ommunication s cluster	Kline D.S.	Develo pments in Busines s Simulat ion & Experie ntial Exercis es, Vol. 9, Pp 124-127	P	Four diverse Easter n seaboa rds college s and univer sities	Quanti tative and Empir ical Resear ch

2 1	20 13	Responsible management education for a sustainable world The challenges for business schools	Dyllick T.	Journal of Manage ment Develo pment, Decemb er 2013, Vol. 34, No.1, Pp 16- 33	S	Literat ures	Descri ptive and Revie w based Resear ch
2 2	20 18	Perspectives on Graduate Employability Attributes for Management Science Graduates	Shivoro R.S., Shalyef u R.K. Kadhila N.	South African Journal of Higher Educati on, Vol. 32, No.1, Pp 216- 232	P	Manag ement Scienc e Gradu ates from HEIs in Namib ia	Quanti tative and Empir ical Resear ch
2 3	20 15	Assessment of Management Competencies Possessed by Post Graduate University Business Education students to Handle Entrepreneursh ip Challenges in Nigeria.	Okoro, James	Journal of Educati on and Practise , Vol. 6, No. 18, Pp 129- 136	P	5 Univer sity in Nigeri a.	Quanti tative and Empir ical Resear ch
2 4		Competency Assessment: Can Graduate Business Education Meet Corporate Requirements?	Martino vic M.	Recent Advanc es in Busines s Manage ment and Marketi ng, ISBN: 978- 960- 474- 306-3, Pp. 200-204	P	84 gradua te student s in the Univer sity of Dubro vnik, Croati a	Quanti tative and Empir ical Resear ch

2 5	20 12	Competency development in business graduates: An industry- driven approach for examining the alignment of undergraduate business education with industry requirements.	Azeved o A., Apfelth aler G., Hurst D.	The Internat ional Journal of Manage ment Educati on, Vol. 10, Pp 12-28	P	MISL EM Project , includ ed nine partner s from four Europe an countri es (Austri a, the UK, Sloven ia and Roman ia)	Descri ptive, Analyt ical Resear ch
2 6	20 16	Restoring the Relevance: Conceptualizin g a Collaboration Model for Business Schools	Sayed O.R., Omar R.	Internat ional Interdis ciplinar y Busines s- Econom ics Advanc ement Journal (IIBA Journal), October 2016, Vol.1, No.2, pp 85-93.	S	Literat ures	Descri ptive and Revie w based Resear ch
2 7	20 08	The MBA Core Curricula of Top-Ranked U.S. Business Schools: A Study in Failure?	Navarro P.	Academ y of Manage ment Learnin g & Educati on, Vol. 7, No. 1 March 2008, pp. 108- 123	P	Top 50 US B school s	Quanti tative and Empir ical Resear ch

2 8	20 08	The Nature of Knowledge in Business Schools	Chia R., Holt R.	Academ y of Manage ment Learnin g & Educati on, 2008,	S	Literat ures	Descri ptive and Revie w based Resear ch
				Vol. 7,			
				No. 4,			
				Pp 471–			
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D: Data, P: Primary data, S: Secondary Data *Dr. Arup Barman is corresponding author of this paper.