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Quantitative ABCD Analysis of IEDRA Model of Placement Determination

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ABSTRACT

The current technological and digital era has always directed campus recruitment process towards eruption of paradigm shifts matching new systems of industrial workforce engagements. The dilemma of job seeking graduates today in campus has ever more convoluted towards the rapid changes in industry and employment market. IEDRA Model of Student Campus Placement Realization was a more comprehensive study undertaken by Shenoy & Aithal (2017) to resolve such a dilemma of students. Therefore here, a brief study is undertaken to discover practical viabilities, understand the usefulness, resourcefulness and universal applications of IEDRA Model of campus placement determination towards concerned stakeholders. A new model of framework analysis named ABCD analysis developed by Aithal et al. (2015) is adopted here for arriving at appropriate theory, hypothesis or postulate constructs regarding the ubiquitous appeal of the IEDRA Framework.

Keywords: ABCD framework, Online Campus Recruitment, IEDRA Model, Model elemental analysis, Employment Placements.

1. INTRODUCTION TO IEDRA FRAMEWORK AND NEED FOR ITS MODEL ANALYSIS:

The present higher education system is more industry oriented where focus is on to ensure that graduating student delivers at work with very minimal support and training to achieve cost efficiency and time savings for the recruiter. However, with the widespread prevalence of online placements in campus placement process like never before, securing an employment with employer has become even more complex paradigm for the students given the fact of vulnerable psychology of young student minds as well volatile industry fluctuations. Therefore to solve this dilemma, Shenoy & Aithal (2017) constructed IEDRA Model of student placement determination [1]. IEDRA is an abbreviation that stands for Interested, Eligible, Deserving, Registered and Acceptability in a constructual format. Application of IEDRA Framework ensures in a structured list of interested, eligible, deserving, registered and acceptable students/graduates for campus interview-recruitment process in an organized matrix. The entire analysis is divided under various issues and focus are for employment seeking students or graduates and various deployment factors affecting the process or concept can be recognized and ascertained under each issue by identifying suitable critical effective characteristics. This concept or phenomenon examination technique being very simple, gives effective guidelines to recognize and find the effectiveness of any interview or placement process and new ideas constructed further there on if any. Lastly, as per the IEDRA Model, once the candidate meets all the factor constructs of the framework; he/she shall have to attend actual interviews or mock interviews where the framework's clause of appraisal will be implemented for testing the practically for self-determining employment securing chances or likelihood of the candidate. It is a well-known and accepted fact in research circles that any new model or framework propounded becomes effective valid only if it is scientifically tested or analysed. While we know various known methodologies are used to examine important strategic processes and business operations like Competitive Profile Matrix (CPM) analysis and EFE & IFE Matrices [2], Balanced Score card [3], SWOT Analysis [4], Porter's Five Forces Model [5], BCG Growth Share Matrix [6], Mckinsey 7S Model [7], PESTLE Analysis [8], we also have recently introduced Research Productivity measuring ABC Model [9], E-Interview Training BOX Model [10] in field of E-HRM and again ABCD Frameworks [11-12] to analyse

operating models and decision areas, a research necessity was also born here to analyse the new rising paradigm of campus placements or recruitments understanding process in present digital world i.e. IEDRA Model of Placement Determination. As a matter of practical, experimental, and futuristic new approach, we have also adopted the new recently discovered and rapidly emerging new ABCD Framework of Model Analysis of IEDRA Model for arriving at key characteristics that reflects the possible need, requirement and inevitability of its utilization in near future.

2. ABOUT ABCD FRAMEWORK :

ABCD Model is a methodology to understand various models and research their effectiveness in stakeholders' value provision. ABCD signifies A for Advantages, B for Benefits, and C for Constraints and D for Disadvantages. The technique developed by Aithal et al. (2015) whose usage results in a structured analysis of primary advantages, benefits, constraints, and disadvantages in an organized format. The entire analysis is further classified under various focus/issue areas and various operating factors affecting the functionalities. The identified concepts are then studied and analysed under each item by locating their critical characteristics. This analysing methodology being very simple gives effective guidelines to identify and analyse the applicability and effectiveness of any models and new rationale developed. In qualitative research using ABCD Analysis, the system, concept, strategy, model, technology, and idea or plan is further examined by identifying constitutional critical criteria. In the quantitative analysis using ABCD framework, the relevant score weightage is assigned to each constituent critical characteristic under each construct, through adopting empirical analysis, the total score is calculated under each construct and by evaluating the scores, the plan or concept, idea, system, technology, strategy can be adopted or denied. Thus, ABCD analysis Model can be used as a primary analysis technique in various areas or sectors and is a simple but organized analysing tool for business or operating models, systems, concepts, ideas, plan, technology, and strategic analysis. In evidence of support here on to a study entitled ABCD Framework Analysis for Business Models, strategies, Operating Concepts & Business Systems [13], the author briefly discussed the detailed methodology for quantitative methods and explained how this model can be used for four specific instances namely Business model, Business strategy, Operational concept and Functional systems. In this study, ABCD framework is compared with other known analysing techniques like Balanced Score card, SWOT Analysis, Porter's Five Forces Model, Competitive Profile Matrix (CPM) analysis, EFE & IFE Matrices, BCG analysing frameworks, PESTLE Analysis and proved the validity of ABCD analysing technique.

3. LITERATURE REVIEW ON ANALYSIS USING ABCD FRAMEWORK :

The ABCD Model is used to analyse the characteristics of "Working from Home" e-business model [14]. In this study, based on various attributes which decide the Work from Home system, a framework of various attributes and their constituent critical elements influencing under various stakeholders' perspectives and system requirements were derived from a qualitative data collection channel namely focus group interactions. It was discovered that the factors supporting advantages and benefits were more effective compared to constraints and disadvantages of this model, so that work from home model has the potential to become more popular from the perspective of stakeholders in future. ABCD analysis Model is used for studying Black ocean strategy concept [15]. The determining factors & their constituent critical factors affecting this concept adopted in some of the organizations provided for quick escape from the obstacles which were recognized for stakeholders under the four constructs - advantages, benefits, constraints, and disadvantages.

ABCD Model has also been used for analysing a concept "Higher Education Stage Model". The characteristics of the concept are evaluated based on identifying and ascertaining the advantages, benefits, constraints, and disadvantages. The fall out supported the logic of using ABCD framework methodology in any concept/idea performance evaluation [16]. ABCD analysis methodology is also used for studying National Assessment and Accreditation Council (NAAC) accreditation procedure on higher educational institutions [17]. The different elements of the NAAC accreditation process is appraised based on recognizing and studying the constructs relating to chosen issues like Institutional issues, Faculty performance issues, student development/progression issues, social/ environmental/ community engagement issues, Infrastructure and Learning resources, and Issues on Innovations

Creativity and Best Practices. The influencing factors under these issues resulted in using focus group interactions and the constituent critical elements under each factor were identified. The findings supported the logic of applying ABCD Model in any System/concept of institutional performance appraisals. Application of ABCD Framework on Private University System in India is another study published using this framework in which for six determinant issues related to the functioning of a varsity were chosen. These are Institutional aspects, Students Progression, Faculty development, Societal & other stakeholders' issues, Leadership, Governance and Issues on Innovations and Best Practices. Four key issues were identified under each of these and critical constituent elements under these attributes were worked out. Through this analysis, 192 critical constituent elements satisfied the success of a private university were explored [18]. The Scholar also undertook an analysis of India's New National Institutional Ranking Framework (NIRF) System using ABCD Analysis, where the published ranking process was appraised under four constructs Advantages, Benefits, Constraints, and Disadvantages, considering all crucial issues in primary areas through studying the major issues and recognizing the critical constituent factors and concluded that NIRF provides a comprehensive ranking suitable for higher educational institutions and takes care of many small and subtle aspects comparable to quality assessment criterion of National Assessment and Accreditation Council [19].

In area of Science, The ABCD Analysis is used for elemental and factor analysis of the utilization of dye-doped polymer films for photonic applicability [20]. The different influencing criterions under the determinant issues like Materials, Application Issues, and Commercialization challenges, Production/Service providers Issues, Customer Issues, and Environmental/Social Issues were identified. The constituent critical characteristics of these factors were listed under the ABCD architecture i.e. advantages, benefits, constraints and disadvantages and subsequently tabulated. The study resulted in outcome of about 204 critical constituent elements which proves the triumph of this analysis methodology.

4. ABCD LISTING OF IEDRA MODEL OF STUDENT PLACEMENT DETERMINATION:

Well, a focus group of 20 MBA Student samples who implemented IEDRA Model were chosen from SIMS, Pandeshwar, Mangalore to weight and aid the research. Upon interactions and discussions with Focus Group under the ABCD Architecture, the responses from samples bought in the following Advantages, Benefits, Constraints, and Disadvantages [21-31] of IEDRA Model of Student Placement Determination which are listed as below :

4.1 Advantages :

The IEDRA Model of Student Placement Determination is highly advantageous for students owing to below factors :

- (1) Student will get to know about his inherent chances of getting selected in Campus Interview or Recruitment Process.
- (2) The IEDRA Framework reduces or eradicates the psychological dilemma of students on various placement apprehensions.
- (3) The Model is easy to implement by student during his academic tenure.
- (4) The Model is flexible and is highly adaptive in any conditions for the students even while preparing for interviews post the completion of their graduation.
- (5) The administration of IEDRA Model is trouble free anytime anywhere even can be functional from home.

4.2 Benefits:

The IEDRA Model of Student Placement Determination is greatly beneficial for students owing to below factors :

- (1) A Student can view his appraisal and determine his/her actual position and performance in interviews under the IEDRA Model Score Card and further decide on his/her next move.
- (2) Student will have a readymade steady roadmap in his/her hand as to the criteria to be observed for getting selected or recruited in campus interviews.
- (3) IEDRA Model fills the gap of a lack of a robust standard or measuring yardstick for solution to ages old student dilemma of whether he/she will get placement/job or not during final year of graduation or even immediately post completion of education.

(4) A job seeking student at campus will understand his/her weak points or problem zone at each stage of placement process as per each construct of IEDRA Model triggering him/her to work on the same during their quest for securing employment placement during final end semester.

(5) The IEDRA Model facilitates self-supervision for students and also easily alignable into their routine time-table.

4.3 Constraints:

The IEDRA Model of Student Placement Determination can constrain campus job seeking students owing to below factors:

(1) Students may ignore the applicability and relevancy of the Model owing to various psychological biases as well as their academic commitments.

(2) The IEDRA Model of Student placement ascertainment being very qualitative, is also very probability and approximation oriented.

(3) Students may be highly apathetic towards the IEDRA concept owing general under confidence to face industry and lack courage to prepare for the job interviews.

(4) Lack of Interest and Age immaturity may curtail a job aspiring student to full the comprehend the model and its constructs towards productive implementation.

(5) The Model is still far behind from being popular or even as a universally accepted guiding framework or model for determining candidate’s job seeking qualification capabilities or capacities.

4.4 Disadvantages :

The IEDRA Model of Student Placement Determination is disadvantageous for students under below factors:

(1) The Model would be extra load or target setting for students in addition to their academic commitments.

(2) The Model lacks numerical quantification.

(3) The Volatile and Vulnerable minds of young students may lack adoption of the concept.

(4) The procrastinating attitude would not allow the job aspiring student to take initiative in implementing and following the IEDRA constructs.

(5) The personal ignorance and innocence of the student may lack trust in the IEDRA concept for ascertaining the possibility of placement achievement.

5. ABCD FRAMEWORK APPLIED TO IEDRA MODEL OF STUDENT PLACEMENT DETERMINATION:

The below table depicts the key attributes and determinant issues identified for IEDRA Model under ABCD Analysis based upon direct interaction with focus group [32- 39].

Table 1 : Determining Issues and Deciding Factors applied to IEDRA Model of Student Placement Determination

Determinant Issues identified for Placement seeking Students as per the response of Focus Group				
Key Attributes	Advantages	Benefits	Constraints	Disadvantages
Model Schedule	Easy Implementation	Organized and Methodical	Student Casual Take	Extra Load
Model Flexibility	Highly Adaptive	Trouble Free	Time Consuming	Lacks Numerical Quantification for Constructs
Model Administration	Anytime/ Anywhere	Self-Supervision	Student Apathy	Lack of Adoption
Overall Model Usage, Relevance and Applicability	Career Conducive	Easy Alignment	Inability to comprehend the Model	Lack of Initiative

6. CRITICAL CONSTITUENT ELEMENTS FOR IEDRA MODEL AS PER ABCD ANALYSIS:

This section discusses in detail about the various critical constituent elements for each key attribute under the focus area belonging to the construct of ABCD Model. Application of Weights are done accordingly by the focus group. The Weightage Ranking is denoted as below :

3 – Satisfactory

2 - Neutral

1 – Not Satisfactory

The below table depicts the Advantageous Factors of IEDRA Model and their critical constituent elements bought out by the Focus Groups :

Table 2 : Advantageous Factors of IEDRA Model and their critical constituent elements

Focus Area	Key Attributes	Advantageous Factors Affecting Determinant Issues	Critical Constituent Elements along with Ranking Scores
Student	Model Schedule	Easy Implementation	Placement Curriculum (3)
			Simple Comprehension (3)
			Schedule Friendly (3)
			Simple Follow-ups (3)
			Facilitates Goal Setting (3)
			Ensures Career Planning (3)
			Communication Friendly (3)
			Technologically Compatible (3)
	Model Flexibility	Highly Adaptive	Student Friendly (3)
			Positively Realisable (3)
			Social Media Friendly (3)
			Interview Focused (3)
			Selection Centred (3)
			Recruitment Oriented (3)
			Possesses Universal Appeal (3)
			Simple Terms (3)
	Model Administration	Anytime/Anywhere	Effective Conditions (3)
			Information and Communication Technology Oriented (3)
			Easy Supervision (3)
			Work from Home (3)
			Supports Online Placements (3)
			E-Recruitment Friendly (3)
	Overall Model Usage, Relevance and Applicability	Career Conducive	Policy Friendly (3)
			Self-Control and Direction (3)
Regulation Friendly (3)			
Fulfils Campus Objectives (3)			
Achieves Placement Objectives (3)			
Realises Placement Aims (3)			
Sets Benchmark (3)			
Effort Contentment (3)			
Professional Excellence (3)			

The below table depicts the Benefit Factors of IEDRA Model and their critical constituent elements bought out by the Focus Groups :

Table 3 : Benefit Factors of IEDRA Model and their critical constituent elements :

Focus Area	Key Attributes	Beneficial Factors Affecting Determinant Issues	Critical Constituent Elements along with Ranking Scores
Student	Model Schedule	Organized and Methodical	Achievable Modules (3)
			Structured Architecture (3)
			Quick Reference Guide (3)
			Confidence Building Model (3)
			Convenient Preparation Tool (3)
	Model Flexibility	Trouble Free	Priority Oriented (3)
			Easy Referencing (3)
			Readymade Checklist (3)
			Detailed Guidance (3)
	Model Administration	Self-Supervision	Re-usability (3)
			Solution Based (3)
			Detailed Constructs (3)
			Easy Self-Guidance (3)
	Overall Model Usage, Relevance and Applicability	Easy Alignment	Self-Placement Planning (3)
			User Friendly Appraisal (3)
			Easy Adoption (3)
Simple Functionalities (3)			
Facilitates Training Designs (3)			
Industry Synchronisation (3)			
Facilitates Networking (3)			
E-Placement Compatible (3)			

The below table depicts the Constraints Factors of IEDRA Model and their critical constituent elements bought out by the Focus Groups :

Table 4 : Constraint Factors of IEDRA Model and their critical constituent elements

Focus Area	Key Attributes	Constraint Factors Affecting Determinant Issues	Critical Constituent Elements along with Ranking Scores
Student	Model Schedule	Student Casual Take	Lack of Implementation Commitments (2)
			No Revision Modules (1)
			Focus Constraints (2)
			Student Rebel Attitude (2)
			Limited follow-ups (2)
	Model Flexibility	Time Consuming	Preparation takes time (2)
			Burdensome Schedule (2)
			Lengthy Performance Measure (1)
			Probability Oriented (2)
			Prolonged Simulations (2)
	Model Administration	Student Apathy	Tedious Preparations (2)
			Passiveness to Escalate (2)
			Enervation towards Interviews (2)
			Lassitude towards Implementation (2)
			Timidity to face Industry (2)
		Persisting Negligence (2)	
		Midway Deviations (2)	

Overall Model Usage, Relevance and Applicability	Inability to Comprehend the Model	Lack of Content Perception (1)
		Disloyalty for the Concept (2)
		Age Immaturity (2)
		Lack of Interest (2)
		External Distractions (2)
		Careless Attitude (2)
		No Bothereation (2)

The below table depicts the Disadvantageous Factors of IEDRA Model and their critical constituent elements bought out by the Focus Groups :

Table 5: Disadvantageous Factors of IEDRA Model and their critical constituent elements :

Focus Area	Key Attributes	Disadvantageous Factors Affecting Determinant Issues	Critical Constituent Elements along with Ranking Scores
Student	Model Schedule	Extra Load	Conflicting Academic Schedules (1)
			Target Pressure (2)
			Extra Deliverable (2)
			Increased Expectations (3)
	Model Flexibility	Lacks Numerical Quantification for Constructs	No Rating Scores for trails (1)
			Approximation Oriented (1)
			Highly Qualitative (2)
			Lack of Correlation Measure (1)
			Unavailability of Analysis of Variance Measure (2)
			Absence of Standard Deviation measure for modules (1)
			Deficit of Testing Scores for Modules (1)
			Scarcity of Quantifiable Rankings for constructs (2)
	Model Administration	Lack of Adoption	Lethargy and Procrastination (2)
			Lack of Respect (2)
			Fails to understand Student Psychology (1)
			Shortage of Implementation Resources (2)
			Lack of Self-Agreement to the concept (2)
	Overall Model Usage, Relevance and Applicability	Lack of Initiative	Shortcomings of Concept Understandings (2)
			Personal Ignorance (2)
			Innocence of Individual (2)
Deficiency of Trust (2)			
System Distrust (2)			
Dearth of Self-esteem (2)			
Inadequacy of Self-confidence (2)			
			Inherent Phobia (2)

In tabular analysis above, critical constituent elements of each analysis criteria under prime focus area and key attributes related are clearly ranked by the focus group through assignment of numerical weights. The appropriation of rankings is witnessed with a strong majority satisfactory and neutral

levels of satisfaction as compared to the least weightage. The further direct interviews with the focus group revealed that IEDRA Model indeed submits perceivable advantages and applicable benefits for the placement desiring candidates in the campus. The constraints are moderate with neutral weightage as evidenced above in the rankings which further could be turned around towards advantages and benefits of the job seeking students in the campus.

7. CONCLUSION:

As concluding remarks, we have studied the determinant issues and various key factors affecting IEDRA Model of campus placement using ABCD analysis framework. The analysis identified numerous key affecting attributes for various determinant issues under four constructs advantages, benefits, constraints, and disadvantages. The analysis has brought about 101 key critical constituent elements under the constructs which satisfy the depth and effectiveness of IEDRA Model. Lastly, the assignment of weightage rankings to 101 key critical constituent elements under the study ascertained the presence of high satisfactory levels of the IEDRA Model which evidences the success for its existence at the service of job seeking students at campus.

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