Abstract—The objective of present research paper is to highlight the importance of measuring advertisement effectiveness in print media and to develop a conceptual model for advertisement effectiveness. The developed model is based on dimensions on which advertisement effectiveness depends and on the dimensions which are used to measure the effectiveness. An in-depth and extensive literature review is carried out to understand the concept of advertisement effectiveness and its various determinants in context of print media. Based on the insights gained, a conceptual framework for advertisement effectiveness is presented. The model is an attempt to uncover the relatively less explored area of advertisement effectiveness in Indian advertising scenario. It is believed that present work will encourage scholars and academicians to further explore the area and will offer conceptual assistance and a fresh direction in the domain of advertisement effectiveness.

Keywords—Advertisement Effectiveness, Conceptual Model, Effectiveness Dimensions, Print Media.

I. INTRODUCTION
In today’s aggressive and quickly changing business landscape, advertising symbolizes an imperative mode by which organizations keep in touch with their existing and prospective customers [1]. Constantly upgrading technology has forced modern marketers to look for inventive and latest media channels to lure customers. It has also led to rapid proliferation of internet, mobile phones, movies and video games as emerging media alternatives. Despite all of this, traditional media option such as print is as effective as it used to be in earlier days. An important element of promotional mix for any company, print advertisements have their own prominent share in a company’s marketing budget. Consumers are more engaged while reading printed material, unlike websites, which are often skimmed in as little as a 15 second visit [2]. The Indian newspaper industry is expected to grow strongly for another decade due to mounting literacy [3]. Aam Aadmi in India is neither a global citizen nor a netizen who has easy access to information that empowers him. Thus, print in India is an uncomplicated means of individual empowerment [4]. Print is local and a tangible means of common man’s empowerment. It is evident that print media has its own significant role to play in context of Indian advertising scenario and therefore measuring its effectiveness is essential. An understanding of advertising effectiveness would contribute significantly to the productivity of advertisers in terms of effective allocation of their marketing budgets [1].

Thus, the present research study is an attempt to understand the concept of advertisement effectiveness and to identify its various dimensions in context of different media in order to develop a conceptual model of advertisement effectiveness in print media context. The next section of the paper discusses detailed review of literature which is carried out for present research work. Subsequent sections deals with the development of conceptual framework of advertisement effectiveness, concluding remarks and some directions for future research.

II. REVIEW OF LITERATURE
Numerous scholars have explored the area of advertisement and measuring its effectiveness with different perspectives. A review of available literature suggests that research on advertising and its effectiveness measures can be widely categorized in two broad categories as shown in Fig. 1.

A. Advertising: Concept and Media
Many of the scholars who have researched on advertising have developed
conceptual frameworks to understand the concept of advertising and measuring its effectiveness [5], [6].

Starch [5] suggested a conceptual framework to measure the probable effectiveness of a series of proposed advertisements before they are used and a considerable amount of money for space is expended. Study found relative ranking of various advertisements with simple tests and then correlated it with the firm’s returns. Sheth [6] examined three different aspects of effectiveness of advertising communication. It discussed two mechanisms called reminder and precipitation and also explored the underlying processes of influence and tactics while [1] developed an advertising effectiveness model and some practical sets of propositions that relates to long-term consumer behavior and have profound practical implications for the management of the advertising function. Study found that products and services with high consumer involvement in the purchase decision will be characterized by current advertising effects while those with low consumer involvement will be characterized by brand loyalty effects.

Researchers have explored the research domain of advertising with varied media options in context. The early researchers focused on advertising in context of traditional media such as print and television while with the advent of technology the focal point of research shifted to modern media forms. Modern marketers have many media choices available to them to advertise their products or services viz. internet, films, video games and mobile phones [7]-[16]. Table I summarizes the select research studies examined for the present work.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Study/Media Type</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>Television</td>
<td>[7]-[9]</td>
</tr>
<tr>
<td>3.</td>
<td>Internet</td>
<td>[10], [11]</td>
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<tr>
<td>4.</td>
<td>Films and Video Games</td>
<td>[12], [13]</td>
</tr>
<tr>
<td>5.</td>
<td>Print</td>
<td>[14]-[16]</td>
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</table>

### B. Advertisement Effectiveness Dimensions

Measuring advertisement effectiveness and identifying its dimensions in context of various media forms is another area which is researched and explored by a variety of researchers [17]-[28]. Alpert et al. [17] in their study measured the impact of repetition on advertisement miscomprehension and advertisement effectiveness and suggested that repetition may not improve comprehension and there is some evidence of a wear out effect also while [18] investigated the effects of length, frequency and type of product on advertisement recall in context of TV. Results indicated that the length and frequency positively and significantly influence brand as well as message recall.

In another study [19] explored relative effectiveness of 15 and 30 second TV advertisements using intermediate variable viz. advertising recall, liking and correct brand identification. Research showed that 15-sec advertisements are approx. 80 percent as effective as 30-sec advertisements in terms of recall and likeability while for correct brand identification 15-sec advertisements are as effective as 30-sec advertisements while [20] in their study incorporated AIDA model for measuring effectiveness of the TV advertisement for electric conservation in Isfahan city. Study revealed that the TV advertisements were successful in taking attention, creating interest and desire for action and eventually was effective in behavioral change.

Newman et al. [21] studied banner advertisement and web site congruity effects on consumer website perceptions and indicated that the advertisements should be consistent with the website brand and certain consumer characteristics should be also be considered while [22] tested the effectiveness of a mouse pointer image in increasing the click through for a web banner advertisement. Study found that click-through rates for the advertisement varied significantly across the websites which is in contrast with the previous studies. In a study of advertisement effectiveness in context of movies, [23] revealed that execution style of placement had significant impact on the audience memory for the brand and reported the different categories of product placement techniques and examined the hierarchy of effects of the different categories of product placement while [24] tested the effect of different levels of plot connection on brand placements and found that recognition rate for the products of high plot visual placement was higher than recognition rates for the products of low plot visual brand placement. Research also showed that the modality of presentation of the placements and the degree of connection between a brand and the plot of the show interact to influence memory and attitude change.

### TABLE I

**SELECTED STUDIES ON ADVERTISING CONCEPT AND MEDIA**

<table>
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<td>[14]-[16]</td>
</tr>
</tbody>
</table>

### TABLE II

**DIMENSIONS ON WHICH ADVERTISEMENT EFFECTIVENESS DEPENDS IN PRINT MEDIA CONTEXT**

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Dimension A</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Advertisement Size</td>
<td>[26],[29],[30]</td>
</tr>
<tr>
<td>2.</td>
<td>No. of Colors Used</td>
<td>[13],[26]</td>
</tr>
<tr>
<td>3.</td>
<td>Advertisement Position</td>
<td>[28]-[30]</td>
</tr>
<tr>
<td>4.</td>
<td>Presence of Celebrity</td>
<td>[29],[31]</td>
</tr>
<tr>
<td>5.</td>
<td>Illustration and Visual Elements</td>
<td>[26],[28],[31]</td>
</tr>
<tr>
<td>6.</td>
<td>Headline Characteristics</td>
<td>[26],[32]</td>
</tr>
<tr>
<td>7.</td>
<td>Presence of Border</td>
<td>[29]</td>
</tr>
<tr>
<td>8.</td>
<td>Advertisement Frequency</td>
<td>[16],[31]</td>
</tr>
<tr>
<td>9.</td>
<td>Presence of Text Content</td>
<td>[26]</td>
</tr>
</tbody>
</table>

In context of print media, [25] examined influence of variety of factors such as size of an advertisement, number of colors used, the product advertised and characteristics of the audience on recall and recognition of advertisements. It was found that advertisement readership is positively related to ad size, use of multiple colors and presence or model while negatively related with the time of advertisement. In a study, [26] developed a structural latent variable model to determine the effect of newspaper advertisement characteristics viz. size, color and logos on consumer preferences. Advertisement size and colors were found to influence apple sales significantly while use of a logo had no impact on apple sales as indicated by the study.

Keshari et al. [27] in their research explored the factors viz.
attractive visuals, believability, informational content, relevance, memorability and persuasiveness that make service print advertisement more effective while [28] examined whether consumers infer that celebrity endorsers like the products they endorse and presents a model to predict attitudes toward the endorsed product. Results indicated that product attitudes were predicted by inferences about the endorser’s liking for the product and by attitudes towards the endorser too.

III. OBSERVATIONS AND GAPS IN LITERATURE

Review of literature made it evident that wide-ranging dimensions are identified and used by various researchers in context of advertisement effectiveness. The review also indicated that the subject of advertisement effectiveness is still unclear, ambiguous and perceived by varied researchers in different ways. Researchers have used diverse dimensions to measure advertisement effectiveness in context of series of advertising media. No generic dimensions are available to measure advertisement effectiveness in context of any specific media.

Also, dimensions which are used to measure advertisement effectiveness in context of a particular media differ with product/service category in consideration. In other words elements of advertisement effectiveness are product/service dependent. Further, these dimensions can be categorized into two broad groups viz. a) Dimensions on which Advertisement Effectiveness Depends (Dimensions A) and b) Dimensions which are used to Measure Advertisement Effectiveness (Dimension B) [36]. Tables II and III present a compilation of various identified dimensions of advertisement effectiveness in print media context.

IV. CONCEPTUAL MODEL OF ADVERTISEMENT EFFECTIVENESS IN PRINT MEDIA

Based on comprehensive and in-depth review and varied dimensions which are identified in literature, a conceptual model for achieving advertisement effectiveness is developed in context of print media as depicted in Fig. 2. As apparent from the theoretical model, advertisement effectiveness in context of print media can be attained only if due consideration is given to different dimensions as recognized in the literature.

It is clear from the developed framework that dimensions on which advertisement effectiveness depends and dimensions which are used to measure advertisement effectiveness; both are equally vital to make an advertisement campaign successful in context of print media. Moreover, advertisement characteristics on which effectiveness of an advertisement rely is a prerequisite which leads to measurement of advertisement effectiveness. This in turn guides consumer’s response and consequently generates profit for the business.

Dimensions on which effectiveness depends are generally related to design aspect while dimensions which are used to measure effectiveness play an important role during execution of an advertisement. While there have been appreciation towards studies exploring dimensions on which advertisement effectiveness depends but little has been done towards exploring dimensions which are used to measure advertisement effectiveness.

An attempt is made in present research to understand advertisement effectiveness measures in the relevant context for which an extensive review of literature was made. The review highlighted that dimensions which are used to measure effectiveness in context of an advertisement are wide ranging and varies with advertising media in context. Also, researchers have used different effectiveness measures for different product/service categories which are taken into consideration in context of a specific media. Hence, there is a need to explore these dimensions further to identify product/service specific measures in context of a specific media.

Based on these observations and identified gaps visible from literature, a suggested methodical approach to address this problem is presented in Fig. 3. A judicious consideration
of above discussed dimensions assists in achieving response from the customers which is reflected in the form of Sales [29], Demand [26], Action Score [35] and even No. of Inquiries [29].

help in identification of product/service category for which research is to be carried out further while implementation of a narrowing technique viz. Delphi or Nominal Group Technique (NGT) will help in the refinement of various advertisement effectiveness dimensions for a particular product category in consideration.

Once the product specific advertisement effectiveness dimensions/measures are obtained, an established modeling approach such as Interpretive Structural Modeling (ISM), Structural Equation Modeling (SEM) or Analytical Hierarchy Process (AHP) can be applied to understand and develop the interrelationships or linkages among these advertisement effectiveness dimensions identified through implementation of Delphi. Table IV presents brief details about various research methods or techniques suggested in proposed methodical approach.

V. CONCLUSION

Measuring and understanding advertisement effectiveness is crucial in today’s highly dynamic business scenario as huge fund is involved in promotional activities. It will also contribute in allocating advertising budgets in most effective way. Thus, an effort has been made through present research work to understand and identify drivers of advertisement effectiveness in print media context.

The presented methodical and systematic approach is expected to assist research scholars to understand and explore the field of advertisement effectiveness and its measurement in a specific media context further. Analysis of media content through execution of content analysis for a print media will

TABLE IV

<table>
<thead>
<tr>
<th>Research Method</th>
<th>Brief Details About Various Research Methods Suggested in Proposed Methodical Approach</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content Analysis</td>
<td>Content analysis is an observational research method that is used to systematically evaluate the symbolic content of all forms of recorded communications. An established method in research, content analysis offers researchers several benefits. It is a content-sensitive and flexible method that results in a simplistic description of data. It finds its application in many fields of study viz. psychology, sociology, education, political science, engineering, management, journalism. The Delphi technique is a research approach used to gain agreement through a series of rounds of questionnaire surveys where information and results are fed back to jury members between each round. Delphi is a popular way of harnessing opinion from the experts, the technique itself and the purposes for which it has been used have been widely modified by researchers over the years. The Delphi technique is extensively used in different research fields’ viz. marketing, education, information systems, decision-aiding and knowledge management.</td>
<td>[37]-[39]</td>
</tr>
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<td>Delphi Method</td>
<td>A technique of consensus building; NGT allows period of considered thought, encourages minority views to be aired and produces qualitative and quantitative data. An established method in research, content analysis offers researchers several benefits. It is a content-sensitive and flexible method that results in a simplistic description of data. It finds its application in many fields of study viz. psychology, sociology, education, political science, engineering, management, journalism. The Delphi technique is a research approach used to gain agreement through a series of rounds of questionnaire surveys where information and results are fed back to jury members between each round. Delphi is a popular way of harnessing opinion from the experts, the technique itself and the purposes for which it has been used have been widely modified by researchers over the years. The Delphi technique is extensively used in different research fields’ viz. marketing, education, information systems, decision-aiding and knowledge management.</td>
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<tr>
<td>Nominal Group Technique</td>
<td>Nominal Group Technique (NGT) is a structured variation of a small-group discussion to reach consensus. It gathers information by asking individuals to respond to questions posed by a moderator and then asking participants to prioritize the ideas or suggestions of all group members. A technique of consensus building; NGT allows period of considered thought, encourages minority views to be aired and produces qualitative and quantitative data.</td>
<td>[44],[45]</td>
</tr>
<tr>
<td>Interpretive Structural Modeling</td>
<td>Interpretive Structural Modeling (ISM) is a systematic and efficient modeling technique that produces a structural model, sets up the ‘leads to’ relationships and has advanced ability of capturing dynamic complexities. It helps to impose order and direction on the complexities of relationships among elements of a subject and allows for a systemic view of the relationships among the variables. ISM is an interactive group learning process whereby a set of diverse elements are structured into an inclusive systematic model</td>
<td>[46],[47]</td>
</tr>
<tr>
<td>Structural Equation Modeling</td>
<td>Structural Equation Modeling (SEM) is a family of statistical methods designed to test a conceptual or theoretical model. It includes Confirmatory Factor Analysis (CFA), Path Analysis and Latent Growth Modeling. Structural Equation Modeling (SEM) is a family of statistical methods designed to test a conceptual or theoretical model. It includes Confirmatory Factor Analysis (CFA), Path Analysis and Latent Growth Modeling. SEM provides the researcher with the flexibility to model relationships among multiple predictor and criterion variables, model errors in measurements for observed variables and statistically tests a theoretical and measurement assumptions against empirical data. Analytic Hierarchy Process (AHP) is a structured technique for organizing and analyzing complex decisions. It is an effective tool for dealing with complex decision making and may aid the decision maker to set priorities and make the best decision. By reducing complex decisions to a series of pair wise comparisons and then synthesizing the results, AHP helps to capture both subjective and objective aspects of a decision. In addition, it incorporates a useful technique for checking the consistency of the decision maker’s evaluations, thus reducing the bias in the decision making process.</td>
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This study has examined the subject of advertisement effectiveness with two perspectives viz. dimensions on which advertisement effectiveness depends and dimensions which are used to measure advertisement effectiveness. In order to have an inclusive understanding of how advertisement effectiveness can be realized, a conceptual model and a methodical approach are also developed based on various dimensions identified through extensive review of literature.

It is believed that the developed framework will be beneficial to advertisers in leveraging advertising efficacy and is expected to provide useful insights to academicians and practitioners. This research is expected to motivate other scholars to understand the domain of measuring advertisement effectiveness in detail in other media contexts also.

There is a need to validate the proposed model empirically using a methodical research technique which will lead to the development of a separate, more comprehensive framework to understand the subject of advertisement effectiveness in detail. Also, further research is required to be carried out in other media context using developed conceptual model and systematic research approach to understand the subject of advertisement effectiveness profoundly.

REFERENCES
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## References


