RESEARCH METHODOLOGY

RESEARCH APPROACH
Mixed approach (Quantitative and Qualitative) will be used in this study.

RESEARCH DESIGN
Pre-experimental and Case Study method

RESEARCH SETTING
Selected areas of Rajkot city, Gujarat.

POPULATION
Middle aged Women between 40 to 60 years in selected area of Rajkot city, Gujarat.

SAMPLE SIZE
Sample size will be 250

SAMPLING TECHNIQUE
Non-probability convenient sampling technique will be used in this study.

VARIABLES UNDER STUDY

INDEPENDENT VARIABLE: is planned public education & screening of breast cancer.

DEPENDENT VARIABLE: Knowledge and self-care practices breast self-examination

DATA COLLECTION TECHNIQUE AND INSTRUMENTS

The present study aimed at evaluating the effectiveness public education on breast cancer in terms of knowledge of breast care. Structured Questionnaires will be used to assess the level of Knowledge and observation. Check list will be used to assess and screening practices of breast self-examination among Middle aged Women. Selected cases will be done case studies to know impact of life style factors.

DEVELOPMENT OF TOOL

Structured questionnaire will be prepared based on the following for assessing the knowledge regarding breast cancer & observation. Check list will be used to assess the Screening of breast self-examination among Middle aged Women. Case studies will be done to relate of life style factors.

DESCRIPTION OF TOOL
Structured questionnaire on the following will be develop

**Section 1:** Comprised of 10 items on demographic data

**Section 2:** Consists of 25 questions regarding breast cancer causes, sign & symptom diagnostic evaluation screening management & Life style practices.

**Section 3:** Consists of 20 questions regarding Self-care practices of breast self-examination.

**Section 4:** Case studies

**RELIABILITY AND VALIDITY**

Reliability will be done by **SPLIT HALF METHOD**

Content validity of questionnaire will be done by experts.

**PILOT STUDY**

After obtaining the permission from the concern authority pilot study will be conducted, with the consent of the participants. With the non-probability sampling technique 25 samples will be selected in community areas of Jamnagar, Gujarat for the pilot study.

**PLAN FOR DATA COLLECTION**

Prior to data collection informed consent will be taken from the sample. And they will be assured that their personal data & identity will not be revealed in any case. Data will be kept very confidential & will not be used other than the research purposes.

**PLAN FOR DATA ANALYSIS:**

Both descriptive & inferential statistics will be used to analyze the Data. The data will be presented in form of charts, tables, and graphs.

**WORKPLAN:**

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<th>TIME PERIOD</th>
<th>ACTIVITY</th>
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<tbody>
<tr>
<td>1</td>
<td>December 2018</td>
<td>Tool preparation</td>
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<td>2</td>
<td>January 2019</td>
<td>Content validity of tools from experts</td>
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<td>3</td>
<td>February 2019</td>
<td>Intervention plan and getting official permissions from the settings.</td>
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<td>4</td>
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<td>Pretest Data collection and administration of interventions.</td>
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<td>5</td>
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<td>6</td>
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<td>Preparation of data for analysis</td>
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<tr>
<td>7</td>
<td>April 2019</td>
<td>Analysis and interpretation of data</td>
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<td>8</td>
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<td>9</td>
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<tr>
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