

IMPACT OF EDUCATIONAL INTERVENTION PROGRAMME ON KNOWLEDGE & PERSONALITY ASPECTS OF RURAL ADOLESCENT GIRLS AND YOUNG MOTHERS

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Abstract:

The present study was taken up for Empowering Rural Adolescent girls and Young mothers in Knowledge & Personality aspects. The sample consisted of 75 girls (12 – 19 yrs) and 75 young mothers (19+ yrs -25yrs) from 5 operational villages (Kandawada, Palgutta, Malkapur, Kesaram and Ibrahimpalli) of Chevella Mandal, RR district. Different types of Tools (developed by the Scientists from 9 State Agriculture Universities, All India Coordinated Research Project, Child development component), were used for collecting the data. Results showed very poor scores both in Knowledge & Personality aspects. Based on the results intervention programmes were conducted for enhancing the Knowledge levels & Personality aspects of adolescent girls & young mothers. Impact of Intervention on the Knowledge levels & Personality aspects of adolescent girls & young mothers was done through pre-post test time series design (Pre & post test I, II & III).

Statistically significant differences were found between the mean values of pre and post test scores village wise (Kandawada, Palgutta, Malkapur, Kesaram & Ibrahimpalli) and component wise for both Knowledge aspects (Health & hygiene; Nutrition; Reproductive & child health; Child rearing practices; Income generating activities; General knowledge; and Legal issues) and Personality aspects (Social skills; Decision making skills; Self esteem skills, Communication skills; Interpersonal relationships and Mental health status) covered under Empowerment of adolescent girls & young mothers, reflecting the effectiveness of the intervention programme.

KEYWORDS:

Educational Intervention , Adolescent Girls And Young Mothers , Empowerment.

INTRODUCTION:

In India, the status of Girl child and young women reflects serious gender-based differences, inequalities and discriminations. Indian society is structured in a hierarchical relationship that has its roots in socialization, prejudices and discrimination against girl child and young women. Such discrimination is visible from adverse sex ratio, higher malnutrition, maternal morbidity and mortality, low school enrolment and high drop out rates, low skill levels with lack of legal support, sexual harassment and exploitation.

RATIONALE:

Social development has significant impact – which includes lower fertility rate, lower infant and child mortality rate and greater participation of women in various economic sectors. Hence capacity building of adolescents & young women through intervention programmes focusing on knowledge, personality, skill development and economic empowerment should be the priority.

Note: The Present project was supported by ICAR, New Delhi and DRWA (Directorate of Research for women in Agriculture), Bhubaneswar, under the XI plan period (2007-12).

Major Objective: Social and Educational Empowerment of Rural Adolescent Girls and Young mothers.

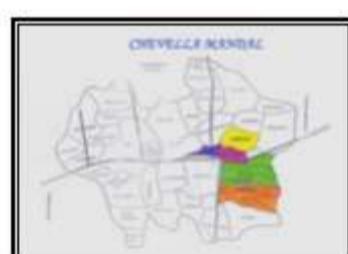
SPECIFIC OBJECTIVES:

Finding out the selective Life skill (5) levels of Rural Adolescent girls & Young mothers
 Organizing intensive training programmes and work shops to enhance the Life skills of Rural Adolescent girls & Young mothers
 Impact assessment of the Life skill training programme

METHODOLOGY

Location of the study: For the present study, Chevella mandal, RR District was selected which was 45 km from AICRP – H.Sc, ANGRAU (Acarya NG Ranga Agriculture University) campus.

Sample: Sample selection from the operational villages: 150 subjects were selected from the operational villages (Kandavada, Palgutta, Malkapur, Kesaram & Ibrahim palli) of Chevella mandal, RR district. From each village 30 subjects (15 adolescent girls & 15 young mothers) were selected.



Keeping in view of the migration of the sample (due to marriage), extra 20-25 subjects were selected to maintain 150 sample. Among the sample, those who were willing and interested to be a part of the project were selected, as the project involved their active cooperation and participation on regular basis.

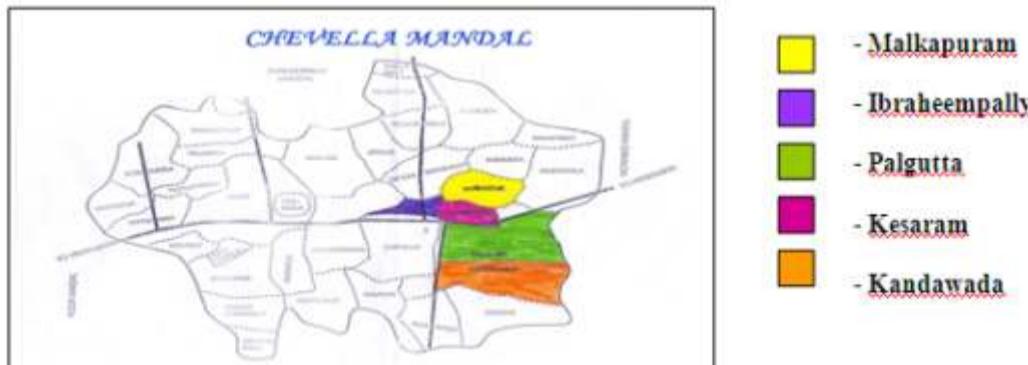
Total population of Kandavada village was 2791. Out of this 1456 were males and 1335 were females. Regarding caste structure, 70% belonged to BC and 20% belonged to SC category. With regard to land holdings, 37% of the families were having small land holdings and 33% were having marginal land holdings. 43% were laborers, 37% were agricultural farmers and 10% followed caste occupations. Regarding literacy level, 43% of the male members were literates and 27% of females were literates.

Total population of Palgutta village was 990. Out of this 516 were males and 474 were females. Regarding caste structure, 67% belonged to BC, 15% belonged to SC and 18% belonged to OC category. Majorities (37%) of the families were having small land holdings, 33% were having marginal land holdings, and 26% were landless and working as agricultural laborers. Approximately 53% were laborers and 36% were involved in agriculture. Regarding literacy level, 43% of the male members were literates and 27% of females were literates.

Total population of Malkapuram village was 2035. Out of this 1045 were males and 990 were females. Regarding caste structure, 60% belonged to BC category, 20% belonged to SC and 20% belonged to OC category. Regarding land holding, 50% of the families were having small land holdings, 10% were having marginal land holdings, and 40% were landless and working as agricultural laborers. Regarding literacy level, 40% of the male members were literates and 17% of females were literates.

Total population of Kesaram village was 867. Out of this 423 were males and 444 were females. Regarding caste structure, 53% belonged to BC, 33% belonged to OC, and 14% belonged to SC category. Regarding Land holding, 36% were landless, 30% were small farmers and 23% were marginal farmers. Approximately 60% were involved in agriculture and 30% were laborers. Regarding literacy level, 47% of the male members were literates and 20% of females were literates.

Total population of Ibrahim palli village was 909. Out of this 468 were males and 441 were females. Regarding caste structure, 53% belonged to BC, 37% belonged to SC, and 10% belonged to OC category. With regard to land holdings, 37% were having marginal land holdings, 33% were having small land holdings and 30% were landless families working as agricultural laborers. Regarding literacy level, 47% of the male members were literates and 10% of females were literates.



MEASUREMENT TOOLS:

1. Interview Schedule to collect the base line information about the selected sample
2. Socio Economic Status (SES) scale to find out the socio- economic status of the sample
3. General Knowledge scale to study the general knowledge levels of the sample
4. Legal awareness scale to study the awareness levels of the sample with regard to legal issues.
5. Self esteem scale to study the self esteem levels of the selected sample
6. Communication skills scale to study the communication skills of the selected sample
7. Interpersonal relationship scale to study the relationship of the sample with family and other members in the society
8. Decision making skills scale to study the decision making skills of the sample
9. Mental health inventory to study the mental health status of the sample
10. Social skills scale to study the social skills of the sample
11. Knowledge in Infant Development Index (KIDI) to study the knowledge levels of the mothers in child development.
12. Menstrual problem check list to find out the problems experienced by the sample.

RESEARCH ACCOMPLISHMENTS**A. Awareness levels of the adolescents & young mothers in knowledge & personality aspects**

Knowledge aspects included	Personality aspects included
<ul style="list-style-type: none"> • Health & Hygiene • Nutrition • Reproductive and Child health • General Knowledge • Child rearing practices • Economic aspects (IGA) • Legal awareness • KIDI (Knowledge about Infant Development Index) 	<ul style="list-style-type: none"> • Self esteem skills • Communication • Interpersonal relationships • Social skills • Decision making skills • Mental health status

Table 1: Demographic profile of the selected sample

Adolescent girls (N=75)

- 96% of the sample belonged to the age group of 12-16 years
- 56% belonged to BC caste structure.
- 67% belonged to nuclear family
- 67% had middle size family
- 53% of the fathers were illiterates
- 52% of the fathers had occupation as agricultural and also small business
- 83% of the mothers were illiterates
- 31% of the mothers had occupation as agricultural laborer
- 51% had mixed type of houses
- 59% had medium size houses
- 40% had small land holding
- 57% had dry land
- 44% had no milch animals
- 75% possessed materials (household equipment) less than 8
- 64% had tap inside the house
- All families had power facility
- 60% had proper sanitation facilities
- **80% of the sample belonged to middle income group**

Young women (N=75)

- 56% of the sample belonged to the age group of 22-25 years
- 65% belonged to BC
- 52% belonged to nuclear family
- 56% had middle size family
- 61% of the fathers were illiterates
- 55% of the fathers had occupation as laborer
- 81% of the mothers were illiterates
- 40% of the mothers were house wives
- 52% had kucha type of houses
- 41% had medium size houses
- 43% had small land holding
- 65% had dry land
- 44% had no milch animals
- 79% possessed materials (household equipment) less than
- 61% had tap inside the house
- All families had power facility
- 62% had proper sanitation facilities
- **57% of the sample belonged to middle income group**

Table 2: Pre test results in knowledge aspects

Adolescent girls (N=75)

- 68% obtained low scores in Health & hygiene
- 100% obtained low scores in Nutrition
- 93% obtained low scores in Reproductive & child health
- 91% obtained low scores in Child rearing practices
- 99% obtained low scores in Income generating activities
- 60% obtained low scores in General knowledge
- Over all 100% obtained low scores in knowledge aspects.

Young women (N=75)

- 99% obtained low scores in Health & hygiene
- 100% obtained low scores in Nutrition
- 80% obtained low scores in Reproductive & child health
- 84% obtained low scores in Child rearing practices
- 96% obtained low scores in Income generating activities
- 89% obtained low scores in General knowledge
- Over all 100% obtained low scores in knowledge aspects.

Legal awareness

- All obtained low scores in Legal aspects. It covers fundamental rights; rights related to women & girls; dowry; rape and work related laws.

Legal awareness

- All obtained low scores in Legal aspects. It covers fundamental rights; rights related to women & girls; dowry; rape and work related laws.

KIDI

All obtained low scores in KIDI. It covers Parenting skills; Safety & Hygiene; Growth principles and developmental milestones.

Table 3: Pre test results in Personality aspects

Adolescent girls (N=75)

Self esteem skills: All obtained low scores in Self esteem levels

Communication social skills:

- 59% obtained low scores in communication skills with relations (at home)
- 99% obtained low scores in communication skills with neighbors
- 93% obtained low scores in communication skills with authority
- Over all 96% obtained low scores in Communication skills

Social skills: 73% of the Adolescents obtained average scores in social skills.

Interpersonal relationships:

- 83% obtained average scores in Interpersonal relationships with parents.
- 100% obtained average scores in Interpersonal relationships with siblings, friends, and neighbors and with the group.
- Over all 100% obtained average scores in Interpersonal relationships

Decision making skills: 100% obtained average scores in Decision making skills

Mental health status

- 55% obtained average scores in Positive self evaluation.
- 69% obtained low scores in Perception of reality
- 97% obtained low scores in Integration of personality
- 100% obtained low scores in Autonomy
- 72% obtained average low scores in Group oriented attitude
- 71% obtained average low scores in Environmental mastery
- Over all 85% obtained low scores in mental health scale.

Young women (N=75)

Self esteem skills: All obtained low scores in Self esteem levels

Communication social skills:

- 97% obtained low scores in communication skills with neighbors
- 99% obtained low scores in communication skills with authority
- Over all 100% obtained low scores in Communication skills

Social skills: 60% obtained low scores in social skills.

Interpersonal relationships: 100% obtained average scores in Interpersonal relationships with husband and with in laws.

Decision making skills: 100% obtained average scores in Decision making skills

Mental health status

- 49% obtained low scores in Positive self evaluation.
- 100% obtained low scores in Perception of reality
- 85% obtained low scores in Integration of personality
- 100% obtained low scores in Autonomy
- 100% obtained average low scores in Group oriented attitude
- 100% obtained average low scores in Environmental mastery
- Over all 100% obtained low scores in mental health scale.

Phase II: Organizing intervention Programmes**A. Intervention programmes in Knowledge aspects:**

Area	Topics covered	Methodology used
Health & Hygiene	communicable diseases; importance of immunization, care during pregnancy and management of diarrhea etc,	Group discussions and quiz
Nutrition	importance of nutritious diets to combat nutritional deficiencies dietary allowances for different age groups	Demonstrations Informal guest lectures
Reproductive & Child health	<ul style="list-style-type: none"> Pubertal changes Menstrual problems & its management Preparation to parenthood Family planning methods Prenatal & post natal care Prevalence of STD, HIV/AIDS- mode of transmission, causative factors and preventive measures 	Awareness camps
General Knowledge	Subjects were encouraged to read news papers, magazines, text books of sibling, watching/ listening to TV/ Radio at home, to enhance their general awareness of various issues pertaining to day to day living.	Riddles, Exercises, Quiz and group discussions were held in General issues
Child care practices	the importance of quality child care practices and supplementary nutrition	Discussions were held about
Legal issues	Constitutional rights and Laws related to women & girls	Special legal awareness camp was organized to discuss the important legal issues pertaining to women and young girls:
KIDI	<ul style="list-style-type: none"> Importance of parenting; Conducive environment to be maintained for the safety of young children; Standard growth principles to understand the uniqueness of each child and Developmental milestones to identify developmental delays in children & provide stimulation activities for optimizing development children. 	Group discussions were held to focus on key issues pertaining to young mothers: Group discussions, brain storming, quiz, guest lecture cum Group discussions were organized to impart knowledge on above issues

B. Intervention programmes in Personality aspects:

Area	Methodology used
Communication skills	Two types of communication skills were demonstrated : <ul style="list-style-type: none"> Interpersonal communication – this contains self introduction, cooperation , collaboration and building on ideas General communication skills- this contains opening up, awareness of local community issues, awareness of larger community issues, methodological assessment of problem issues etc. Role plays, slogans, games, interactive sessions, warming up activity were conducted to express their ideas and feelings
Self esteem skills	Exercises, role plays, open ended stories etc were organized to enhance the self esteem skills of the sample
Interpersonal relationships	Exercises, role plays, real life situations were provided to improve the interpersonal relationships of the sample with parents, siblings, friends, group & neighbors.

Decision making skills	Exercises, role plays, real life problem issues were posed to enhance the decision making skills of the sample	
Mental health status	The exercises involved enhancing the positive self evaluation; perception of reality; integration of personality; autonomy; group oriented attitude and environmental mastery: Exercises, role plays, open ended stories and real life situations were posed to improve the important aspects of mental health status.	

Impact of Intervention on the Knowledge levels & personally aspects of adolescent girls & young mothers was done through pre-post test time series design (Pre & post test I, II & III):

A. Impact of Intervention on the knowledge levels

Table: 4.A. General Awareness & Knowledge levels of Adolescent girls at different phases – Village wise

Phase	Village	KW (N=15)	PG (N=15)	MP (N=15)	KR (N=15)	IP (N=15)	Total (N=75)
	Category						
Pre test	Low	15	15	15	15	15	75 100%
Post test-1	Low	0	0	11	0	0	11 15%
	Average	15	15	4	15	15	64 85%
Post test -2	Average	5	0	15	0	5	25 33%
	High	10	15	0	15	10	50 67%
Post test -3	Average	0	6	0	0	0	6 8%
	High	15	9	15	15	15	69 92%

KW: Kandawada PG: Palgutta MP: Malkapur KR: Kesaram IP: Ibrahimpalli

The above table (4.A) presents the General Awareness & Knowledge levels of Adolescent girls at different phases, Village wise. Total sample (100%) ie 75 from 5 villages obtained low scores during pre test phase, later the pre test scores shifted to average scores (85%) during post test-I; to high scores (67 % & 92 %) during post test-II & III respectively, due to the impact of Intervention programme.

Table: 4.B. General Awareness & Knowledge levels of Adolescent girls at different phases – Component wise

H&H (101)	Nut (77)	RCH (23)	CRP(25)	IGA (15)	GK (95)	Legal (47)	Total (383)
L=< 33	L=< 25	L=< 7	L=< 8	L=< 5	L=<32	L=< 16	L=< 149
A = 33 - 66	A = 25-50	A = 7-14	A = 8-16	A = 5-10	A = 32 - 64	A = 16-32	A =149- 298
H => 66	H => 50	H => 14	H =>16	H =>10	H => 64	H => 32	H => 298 - 383

Phase	Area	HH (N=75)	Nut (N=75)	RCH (N=75)	CRP (N=75)	IGP (N=75)	GK (N=75)	Legal (N=75)	Total (N=525)
	Category								
Pre	Low	75	75	68	73	75	70	75	511 97%
	Average	0	0	7	2	0	5	0	14 3%
Post	Average	48	75	26	19	16	43	75	302 57%
test-1	High	27	0	49	56	59	32	0	223 43%
Post	Average	30	7	0	8	59	2	49	155 29%
test -2	High	45	68	75	67	16	73	26	370 71%
Post	Average	0	0	0	12	0	27	14	53 10%
test -3	High	75	75	75	63	75	48	61	472 90%

HH: Health & hygiene **Nut:** Nutrition **RCH:** Reproductive & Child health **CRP:** Child rearing Practices **IGP:** Income generating programmes **GK:** General knowledge **LI:** Legal issues

The above table (4.B) presents the General Awareness & Knowledge levels of Adolescent girls at different phases, Component wise. 97% obtained low scores during pre test, later the pre test scores shifted to average scores (57%) during post test-I, to high scores (71% & 90 %) respectively during post test-II & III, component wise due to the impact of Intervention programme.

TABLE: 4.C Mean & T values of Adolescent girls at different phases in General Awareness & Knowledge aspects (Village wise) N=15

Village	Total scores				Means			
	Pre test (A)	Post test-1(B)	Post test-2 (C)	Post test-3 (D)	Pre test (A)	Post test-1 (B)	Post test-2 (C)	Post test-3 (D)
KW	947	1531	4481	5100	63	102	299	340
PG	965	1474	3869	4505	64	98	258	300
MP	993	1658	4727	5153	66	110	315	343
KS	926	1503	4242	4888	62	100	283	325
IP	941	1471	4016	4874	63	98	268	324
Total	4772	7637	21335	24520	318	509	1422	1635

Village	Mean differences			T values		
	A-B	A-C	A-D	A-B	A-C	A- D
KW	41	238	279	1.87**	4.21**	4.01**
PG	34	194	236	3.18**	7.22**	2.22**
MP	44	249	277	1.55**	4.91**	2.79**
KS	38	221	263	1.36**	5.62**	4.78**
IP	35	205	261	4.96**	8.6**	4.01**
Total	191	1104	1317	2.8**	4.38**	3.72**

Note: ** at 1% level of significance

The above table (4.C) presents the over all General Awareness & Knowledge scores, means, SD & 'T" values of Adolescent girls at different phases (Pre test and Post test I, II & III), Village wise. The table shows progressive increase in the total scores across pre test to post test 1, 2 & 3, along with the increase in the mean differences, which shows the impact of intervention programme. T values between the two means of pre test and post test I, II & III were found to be highly significant, as the calculated values were found to be greater than the tabulated value for all the 5 villages.

TABLE: 4.D Mean & T values of Adolescent girls at different phases in General Awareness & Knowledge aspects (Component wise) N=75

Area	Total scores				Means			
	Pre (A)	Post-1 (B)	Post -2 (C)	Post -3 (D)	Pre (A)	Post -1 (B)	Post -2 (C)	Post -3 (D)
HH	1259	2061	5204	6238	83	136	346	416
NUT	618	1078	4247	4940	41	71	284	330
RCH	309	596	1524	1648	20	39	102	110
RCP	329	719	1442	1622	21	49	96	108
IGP	154	452	884	990	10	30	58	66
GK	1765	2197	5674	6320	117	146	379	421
Legal	338	534	2360	2762	21	35	157	184
G.Tot	4772	7637	21335	24520	313	505	1422	1635

Note: ** at 1% level of significance

Area	Mean differences			T values		
	A-B	A-C	A-D	A-B	A-C	A-D
HH	160	788	835.6	1.58**	5.43**	2.35**
NUT	92	725	864	1.89**	7.66**	2.89**
RCH	57	243	268	4.39**	8.4**	6.51**
RCP	78	222	258	2.36**	6.83**	2.65**
IGP	59	146	167	2.13**	5.78**	5.09**
GK	87	781	911	3.87**	5.47**	4.58**
Legal	39	404	484	2.83**	4.92**	3.69**
G. Tot	573	3313	3950	2.8**	8.75**	3.72**

The above table (4.D) presents the overall General Awareness & Knowledge scores, means, SD & 'T' values of Adolescent girls at different phases (pre test and post test I & II), Component wise. The table shows progressive increase in the total scores across pre test to post test 1, 2 & 3, along with the increase in the mean differences, which shows the impact of intervention programme. T values between the two means of pre test and post test I, II & III were found to be highly significant, as the calculated values were found to be greater than the tabulated value.

Statistically significant differences were found between the mean values of pre and post test scores of I, II & III Village wise (Kandawada, Palgutta, Malkapur, Kesaram & Ibrahimpalli) and Component wise for knowledge aspects (Health & hygiene; Nutrition; Reproductive & child health; Child rearing practices; Income generating activities; General knowledge; and Legal issues) covered under empowerment of adolescent girls, reflecting the effectiveness of the intervention programme

The Mean values of Knowledge aspects of Adolescent girls, Village wise and Component wise is depicted in the form of a graph below (Fig: 1 & 2).

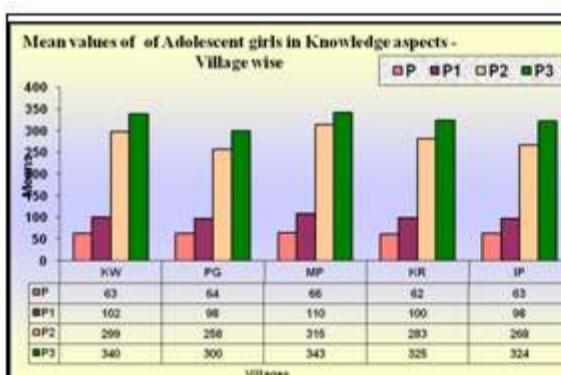


Fig: 1 Phase wise Mean values of Adolescent girls in Knowledge aspects (Village wise) N=15

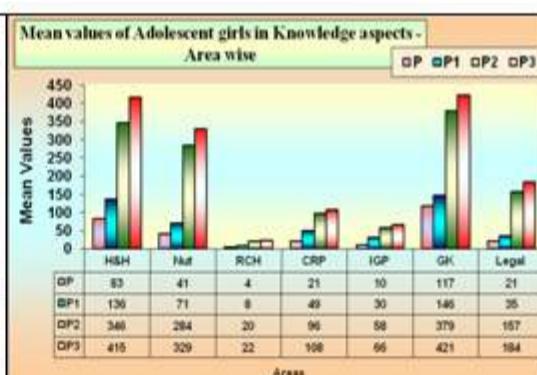


Fig: 2 Phase wise Mean values of Adolescent girls in Knowledge aspects (Area wise) N=75

TABLE: 5.A General Awareness & Knowledge levels of Young mothers at different phases (village wise)

Villages	Scores	KW	PG	MP	KR	IP	Total
Pre test	Low	15	15	15	15	15	75 100%
Post test-1	Low	15	9	8	6	11	49 65%
	Average	0	6	7	9	4	26 35%
Post test-2	Average	11	15	15	8	15	64 85%
	High	4	0	0	7	0	11 15%
Post test-3	Average	0	5	3	0	2	10 13%
	High	15	10	12	15	13	65 87%

The above table (5.A) presents the General Awareness & Knowledge levels of young mothers at different phases, village wise. Total sample (75) from 5 villages obtained low scores (100%) during pre test phase, it remained the same during post test-I, with higher means (Table 11.C), to average scores (85%) and to high scores (87%) respectively during post test-II & III, Village wise due to the impact of intervention programme.

**TABLE: 5.B General Awareness & Knowledge levels of Young mothers at different phases
(Component wise)**

H&H (101)	Nut (77)	RCH (23)	CRP(25)	IGA (15)	GK (95)	Legal (47)	KIDI (65)	Total (383)
L= < 33	L= < 25	L= < 7	L= < 8	L= < 5	L= < 32	L= < 16	L= < 22	L= < 149
A = 33 - 66	A = 25 - 50	A = 7-14	A = 8 -16	A = 5 -10	A = 32 - 64	A = 16 - 32	A = 22 - 44	A = 149- 298
H => 66	H = > 50	H => 14	H = > 16	H =>10	H = > 64	H = > 32	H = > 44	H = > 298 -383

Phase	Area	H&H	Nut	RCH	CRP	IGA	GK	Legal	KIDI	Total
	Category									
Pre test	Low	75	75	75	75	75	75	75	75	600 100%
Post test-1	Low	63	62	17	22	8	12	64	7	255 43%
	Average	12	13	58	53	67	63	11	68	345 58%
Post test-2	Average	71	64	18	56	69	57	74	45	454 76%
	High	4	11	57	19	6	18	1	30	146 24%
Post test-3	Average	14	8	3	4	7	21	28	15	100 17%
	High	61	67	72	71	68	54	47	60	500 83%

The above table (5.B) presents the General Awareness & Knowledge levels of Adolescent girls at different phases, component wise. 100% obtained low scores during pre test phase. 58% of the sample obtained average scores during post test 1 & 2 with higher means (Table 11.D), and 83% obtained high scores during post test 3, Component wise due to the impact of intervention programme.

**TABLE: 5.C Mean & T values of Young mothers at different phases in General Awareness & Knowledge aspects
(Village wise) N= 15**

Village	Pre (A)	Post - (B)	Post - (C)	Post -3 (D)	Pre (A)	Post -1 (B)	Post -2 (C)	Post -3 (D)
KW	981	1642	4253	5196	65	109	285	346
PG	885	1667	3587	4962	59	111	239	330
MP	1084	1857	3954	5606	72	124	263	373
KS	937	1792	4397	5327	62	117	293	355
IP	918	1693	3443	5232	61	112	229	349
Total	4805	8651	19634	26323	319	573	1309	1753

Village	Mean differences			T values		
	A-B	A-C	A-D	A-B	A-C	A-D
KW	44	220	281	1.76**	4.45**	5.04**
PG	52	180	271	1.39**	6.35**	5.93**
MP	52	191	301	2.16**	9.03**	6.98**
KS	55	231	293	2.43**	7.05**	4.7**
IP	51	168	288	1.38**	8.93**	4.9**
Total	254	990	1434	2.33**	6.04**	2.53**

Note: ** at 1% level of significance

The above table (5.C) presents the over all General Awareness & Knowledge scores, means, SD & 'T" values of Young mothers at different phases (pre test and post test I, II & III), Village wise. The table shows progressive increase in the total scores across pre test to post test 1, 2 & 3, along with the increase in the mean differences, which shows the impact of intervention programme. T values between the two means of pre test and post test I, II & III were found to be highly significant, as the calculated values were found to be greater than the tabulated value.

TABLE: 5.D Mean & T values of Young mothers at different phases in General Awareness & Knowledge aspects (Component wise) N=75

Area	Total scores				Means			
	Pre (A)	Post-1 (B)	Post -2 (C)	Post -3 (D)	Pre (A)	Post -1 (B)	Post -2 (C)	Post -3 (D)
HH	772	1632	3679	5615	51	109	245	374
NUT	576	978	3023	4395	38	65	191	293
RCH	346	736	1235	1606	23	49	82	107
CRP	335	681	1133	1656	22	45	75	110
IGP	181	426	657	882	12	31	44	59
GK	1258	1776	3839	5345	83	118	255	356
Legal	224	486	1599	2499	15	32	106	166
KIDI	1113	2108	3341	4258	74	140	223	283
G.Tot	4805	8823	18506	26256	318	589	1221	1748

Area	Mean differences			T values		
	A-B	A-C	A-D	A-B	A-C	A-D
HH	58	194	323	2.79**	8.9**	5.1**
NUT	27	153	255	2.88**	7.6**	3.61**
RCH	26	59	84	2.28**	4.85**	3.56**
RCR	23	53	88	2.79**	4.31**	3.36**
IGP	19	32	47	2.15**	4.8**	2.79**
GK	35	137	273	2.22**	7.8**	3.4**
Legal	17	74	151	2.4**	8.4**	3.5**
KIDI	66	83	60	3.6**	7.2**	4.31**
G.Tot	271	903	1430	2.33**	6.37**	3.52**

Note: ** at 1% level of significance

The above table (5.D) presents the over all General Awareness & Knowledge scores, means, SD & 'T" values of Young mothers at different phases (pre test and post test I, II & III), Area wise. The table shows progressive increase in the total scores across pre test to post test I, II & III, along with the increase in the mean differences, which shows the impact of intervention programme. T values between the two means of pre test and post test I, II & III were found to be highly significant, as the calculated values were found to be greater than the tabulated value.

Statistically significant differences were found between the mean values of pre and post test scores of I, II & III village wise (Kandawada, Palgutta, Malkapur, Kesaram & Ibrahimpalli) and component wise for knowledge aspects (Health & hygiene; Nutrition; Reproductive & child health; Child rearing practices; Income generating activities; General knowledge; and Legal issues and KIDI) covered under empowerment of young mothers, reflecting the effectiveness of the intervention programme.

The Mean values of Knowledge aspects of Young mothers Village wise and Area wise is depicted in the form of a graph below (Fig: 3 & 4).

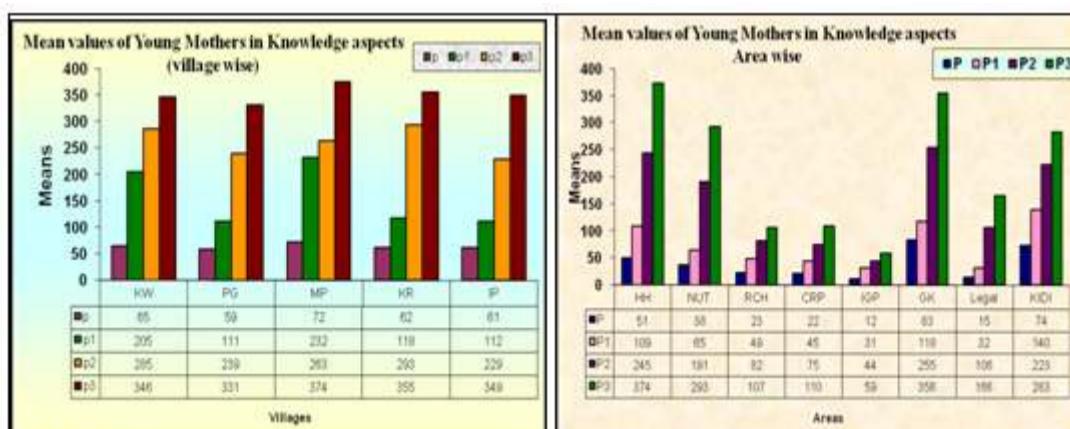


Fig: 3 Phase wise Mean values of Young mothers in Knowledge aspects (Village wise) N=15

Fig: 4 Phase wise Mean values of Young mothers in Knowledge aspects (Area wise) N=75

B. Impact on Personality aspects:

Table: 6.A. Personality levels of Adolescent girls at different phases – Village wise (N=15)

Phase	Village Category	KW (N=15)	PG (N=15)	MP (N=15)	KR (N=15)	IP (N=15)	Total (N=75)
Pre test	Low	15	15	15	15	15	75 100%
Post test-1	Average	15	15	15	15	15	75 100%
Post test -2	Average	8	15	12	10	15	60 80%
Post test -3	High	7	0	3	5	0	15 20%

KW: Kandawada PG: Palgutta MP: Malkapur KR: Kesaram IP: Ibrahimpalli

The above table (6.A) presents the Personality levels of Adolescent girls at different phases, village wise. Total sample (75) low scores (80%) during pre test phase, later the pre test scores shifted to average scores (100%) during post test-I & II (80%) with higher means (table: 12.C) and to high scores (100%) during post test-III due to the impact of intervention programme.

Table: 6.B. Personality levels of Adolescent girls at different phases – Component wise (N= 75)

SS (72)	DM (28)	SE (54)	CM (36)	IP (24)	MH (100)	G. TOT (292)
L = < 24	L = < 9	L = < 18	L = < 12	L = < 8	L = < 33	L = < 97
A = 24-48	A = 9-18	A = 18-36	A = 12-24	A = 8-16	A = 33-66	A = 97-194
H = > 48	H = > 18	H = > 36	H = > 24	H = > 16	H = > 66	H = > 194

Phase	Area Category	SS (N=75)	DM (N=75)	SE (N=75)	CM (N=75)	IP (N=75)	MH (N=75)	Total (N=450)
Pre	Low	75	75	68	73	75	70	511 97%
	Average	0	0	7	2	0	5	14 3%
Post -1	Low	48	75	26	19	16	43	302 57%
	Average	27	0	49	56	59	32	223 43%
Post -2	Average	30	7	0	8	59	2	155 29%
	High	45	68	75	67	16	73	370 71%
Post -3	Average	0	0	0	12	0	27	53 10%
	High	75	75	75	63	75	48	472 90%

The above table (6.B) presents the Personality levels of Adolescent girls at different phases, component wise. 97% obtained low scores during pre test phase. Later the pre test scores shifted to average scores (57%) during post test-I & 43% (average scores) during post test-II with higher means (table: 12.D) and to high scores (90%) respectively during post test-III, due to the impact of intervention programme.

TABLE: 6.C Mean & T values of Adolescent girls at different phases (village wise) in Personality aspects (N=15)

Village	Total scores				Means			
	Pre (A)	Post-1 (B)	Post -2 (C)	Post -3 (D)	Pre (A)	Post -1 (B)	Post -2 (C)	Post -3 (D)
KW	1546	2291	3508	4422	103	153	233	295
PG	1538	2324	3330	4131	102	154	222	275
MP	1635	2266	3325	4061	109	151	221	270
KS	1550	2414	3389	4250	103	160	225	283
IP	1617	2472	3265	4301	107	164	217	286
Total	7886	11767	16817	21165	524	782	1118	1409

Village	Mean differences			T values		
	A-B	A-C	A-D	A-B	A-C	A-D
KW	50	130	192	1.73**	5.19**	4.9**
PG	52	120	173	1.43**	7.1**	3.24**
MP	42	112	161	4.19**	8.67**	4.96**
KS	57	122	180	1.39*	5.86**	2.93**
IP	57	110	179	1.79**	4.41**	2.91**
Total	258	594	885	1.76**	4.79**	2.03**

Note: ** at 1% level of significance

The above table (6.C) presents the over all Personality scores, means, SD & 'T" values of adolescent girls at different phases (pre test and post test I, II & III), Village wise. The table shows progressive increase in the total scores across pre test to post test I, II & III, along with the increase in the mean differences, which shows the impact of intervention programme. T values between the two means of pre test and post test I, II & III were found to be highly significant, as the calculated values were found to be greater than the tabulated value.

TABLE: 6.D Mean & T values of Adolescent girls at different phases (Component wise) in Personality aspects (N=75)

Area	Total scores				Means			
	Pre (A)	Post-1 (B)	Post -2 (C)	Post -3 (D)	Pre (A)	Post -1 (B)	Post -2 (C)	Post -3 (D)
SS	1636	2284	3373	4461	112	152	224	297
DM	688	1167	1465	1740	57	85	98	116
SE	1299	1988	2808	3485	86	132	187	232
CM	941	1376	2401	3061	62	92	160	204
IP	1262	2013	2920	3351	84	134	201	223
MH	2060	2939	4171	5067	137	195	278	337
G.Tot	7886	11767	17138	21165	538	790	1148	1409

Area	Mean differences			T values		
	A-B	A-C	A-D	A-B	A-C	A-D
SS	40	112	185	2.19**	4.96**	2.96**
DM	28	41	59	4.06**	7.42**	5.74**
SE	46	101	146	2.42**	7.2**	4.56**
CM	30	98	142	2.9**	7.6**	5.36**
IP	50	117	139	2.48**	4.7**	3.92**
MH	58	83	200	2.51**	6.2**	4.7**
G.Tot	252	552	871	2.56**	5.79**	3.93**

Note: ** at 1% level of significance

The above table (6.D) presents the over all personality scores, means, SD & 'T" values of Adolescent girls at different phases (pre test and post test I, II & III), Area wise. The table shows progressive increase in the total scores across pre test to post test I, II & III, along with the increase in the mean differences, which shows the impact of intervention programme. T values between the two means of pre test and post test I, II & III were found to be highly significant, as the

calculated values were found to be greater than the tabulated value.

Statistically significant differences were found between the mean values of pre and post test scores of I, II & III, village wise (Kandawada, Palgutta, Makapur, Kesaram & Ibrahimpalli) and component wise for Personality aspects (Social skills; Decision making skills; Self esteem skills, Communication skills; Interpersonal relationships and Mental health status) covered under empowerment of Young mothers, reflecting the effectiveness of the intervention programme

Village wise and Area wise mean difference of Personality aspects of Adolescent girls is depicted in the form of a graph below (Fig: 5 & 6).

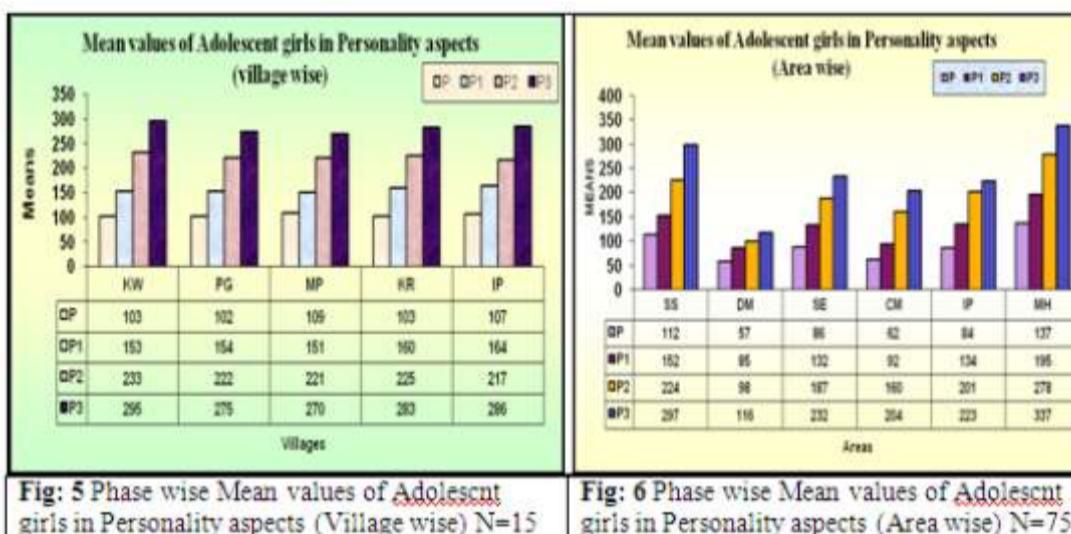


Fig: 5 Phase wise Mean values of Adolescent girls in Personality aspects (Village wise) N=15

Fig: 6 Phase wise Mean values of Adolescent girls in Personality aspects (Area wise) N=75

TABLE: 7.A Personality levels of young mothers at different phases – village wise (N=15)

Phase	Village Category	KW (N=15)	PG (N=15)	MP (N=15)	KR (N=15)	IP (N=15)	Total (N=75)
Pre test	Low	9	11	8	9	10	47 63%
	Average	6	4	7	6	5	28 37%
Post test-1	Average	5	8	4	8	6	31 41%
	High	10	7	11	7	9	44 59%
Post test -2	Average	3	4	3	5	2	17 23%
	High	12	11	12	10	13	58 77%
Post test -3	High	15	15	15	15	15	75 100%

KW: Kandawada PG: Palgutta MP: Malkapur KR: Kesaram IP: Ibrahimpalli

The above table (7.A) presents the Personality levels of young mothers at different phases, village wise. 63% of the total sample (75) obtained low scores during pre test phase, later the pre test scores shifted to high scores (59%, 77% & 100%) during post test-I, II and III with higher means (table: 13.C) due to the impact of intervention programme.

TABLE: 7.B Personality levels of Young Mothers at different phases – Area wise (N=75)

SS (72)	DM (28)	SE (54)	CM (36)	IP (24)	MH (100)	G.TOT (292)
L = < 24	L = < 9	L = < 18	L = < 12	L = < 8	L = < 33	L = < 97
A = 24-48	A = 9-18	A = 18-36	A = 12-24	A = 8-16	A = 33-66	A = 97-194
H = > 48	H = > 18	H = > 36	H = > 24	H = > 16	H = > 66	H = > 194 -292

Phase	Area Category	SS (N=75)	DM (N=75)	SE (N=75)	CM (N=75)	IP (N=75)	MH (N=75)	Total (N=450)
Pre	Low	47	53	38	54	42	61	295 66%
	Average	28	22	37	21	33	14	155 34%
Post -1	Low	6	4	13	32	14	36	105 23%
	Average	68	71	62	43	61	39	344 76%
Post -2	Average	55	33	8	12	6	24	138 31%
	High	20	42	67	63	69	51	312 69%
Post -3	Average	5	2	4	10	1	10	32 7%
	High	70	73	71	65	74	65	418 93%

The above table (7.B) presents the Personality levels of young mothers at different phases, component wise. 66% obtained low scores during pre test phase, later the pre test scores shifted to average scores (76%) during post test-I and to high scores (69% & 93%) with higher means (table: 13.D) during post test-II and III, component wise due to the impact of intervention programme.

TABLE: 7.C Mean & T values of Young mothers at different phases (Village wise) in Personality aspects (N=15)

Village	Total scores				Means			
	Pre (A)	Post-1 (B)	Post -2 (C)	Post -3 (D)	Pre (A)	Post -1 (B)	Post -2 (C)	Post -3 (D)
KW	1647	2099	3354	4335	109	139	223	289
PG	1591	2083	3078	3912	106	138	205	260
MP	1388	2079	3351	4169	99	138	223	278
KS	1605	1946	3340	4064	107	129	222	271
IP	1504	2279	2986	4212	100	151	199	281
Total	7735	10486	16109	20692	545	656	1073	1379

Village	Mean differences			T values		
	A-B	A-C	A-D	A-B	A-C	A-D
KW	30	86	180	3.07**	8.2**	6.09**
PG	32	99	154	2.47**	6.47**	3.36**
MP	39	124	179	2.09**	7.04**	2.35**
KS	22	115	164	2.54**	8.19**	6.62**
IP	51	99	181	3.46**	8.4**	7.61**
Total	174	523	858	2.43**	5.45**	3.21**

Note: ** at 1% level of significance

The above table (7.C) presents the overall personality scores, means, SD & 'T" values of Young mothers at different phases (pre test and post test I, II & III), Village wise. The table shows progressive increase in the total scores across pre test to post test I, II & III, along with the increase in the mean differences, which shows the impact of intervention programme. . T values between the two means of pre test and post test I, II & III were found to be highly significant, as the calculated values were found to be greater than the tabulated value.

TABLE:7.D Mean & T values of Young mothers at different phases (Component wise) in Personality Aspects (N=75)

Area	Total scores				Means			
	Pre (A)	Post-1 (B)	Post -2 (C)	Post -3 (D)	Pre (A)	Post -1 (B)	Post -2 (C)	Post -3 (D)
SS	1745	2336	3267	4300	116	155	217	286
DM	638	1090	1265	1646	43	73	84	109
SE	1872	2189	2880	3520	124	145	192	234
CM	792	1115	1920	2894	53	74	128	193
IP	945	1447	1691	2719	63	96	113	181
MH	2022	3115	5211	5613	135	208	347	374
G.Tot	8014	11292	16234	20692	534	751	1081	1377

Area	Mean differences			T values		
	A-B	A-C	A-D	A-B	A-C	A-D
SS	39	101	170	2.01**	4.7**	2.82**
DM	30	41	66	2.94**	5.53**	4.1**
SE	21	68	110	2.46**	4.22**	3.29**
CM	21	75	140	2.21**	6.44**	4.52**
IP	33	50	118	2.07**	6.6**	2.67**
MH	73	212	239	3.52**	8.52**	5.57**
G.Tot	217	547	843	2.43**	5.45**	3.43**

Note: ** at 1% level of significance

The above table (7.D) presents the overall personality scores, means, SD & 'T" values of Young mothers at different

phases (pre test and post test I, II & III), Area wise. The table shows progressive increase in the total scores across pre test to post test I, II & III, along with the increase in the mean differences, which shows the impact of intervention programme. . T values between the two means of pre test and post test I, II & III were found to be highly significant, as the calculated values were found to be greater than the tabulated value.

Statistically significant differences were found between the mean values of pre and post test scores of I, II & III, village wise (Kandawada, Palgutta, Makapur, Kesaram & Ibrahimpalli) and component wise for Personality aspects (Social skills; Decision making skills; Self esteem skills, Communication skills; Interpersonal relationships and Mental health status) covered under empowerment of Young mothers, reflecting the effectiveness of the intervention programme. Village wise and Area wise mean difference of Personality aspects of Adolescent girls is depicted in the form of a graph below (Fig: 7 & 8).

