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Studying the Operational Management Strategies for Promoting Quality of Secondary Education

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This study examined the operational Abstract management strategies for promoting the quality of education at the secondary level in Punjab Province. The secondary school heads, teachers and students were subjects of the study. It used three questionnaires developed for them respectively. The findings suggest that the head teacher perceived his role as an operation manager. These role dimensions indicate that the head teacher acts as an educational manager by using operational management strategies deliver professional support to teachers by; solving the school-based problems of their teachers, promoting a culture of discipline in the school, conducting a performance evaluation of school staff and checking lesson plans regularly, consulting teachers in academic decisions, holding periodic meetings of teachers regarding coverage of syllabus and maintaining conducive to the working environment in their schools.

Key Words:

Operational
Management,
Quality
Education,
Strategies,
Administration,
Secondary
Education.

Introduction

Pakistan as a developing country questing for increasing access to quality education for the masses as education and its quality has become the main concern of all stakeholders. All of the educational policies, plans and initiatives of the government seem to focus on the quality of education. However, at grassroots' it is a prime duty of the head to assure the access and quality of education in schools. Hence, a head teacher is a key person in any educational institution and without him/her the institution cannot function properly (OECD, 2016). In schools, the role of a head teacher seems more demanding and challenging particularly, in Pakistan having different systems and streams of education. The head teacher plays a crucial role in schools irrespective of systems and streams (Hussain, 2009).

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The stage of secondary education is very important in the educational career of a student. It is the initial level of formal recognition as the students are awarded certificates formally. It is the foundation stone for further education. Usually, the secondary school graduates are psychologically adolescents and socially adults who in Pakistani context are expected to assume their social responsibilities (Memon, 2007; Hussain, 2013). Therefore, the quality of secondary education imparted to them helps them live and work with confidence in a more productive way. It can be so if a school head is quality conscious and believes in achieving the objectives of secondary education.

The head of a secondary school is expected to reflect behaviors associated with the position of headship in assuming his/her responsibilities in the school. According to Meador (2014), a good school head leads it always positive, enthusiastic and keen in taking initiatives, observes tolerance, has a sense of humor, equipped with analytical skills, effective communication skills, and has an eye on goings-on for a smooth functioning of the school. S/he is open to the stakeholders including community. An effective head teacher observes calmness with firmness in personnel management (Sarbah & Otu-Nyarko, 2014). A head teacher has to play multiple roles in the purview of his/her position (Kandasamy & Blaton, 2004). In routine, she has to play a key role in developing strategic planning for schools' effectiveness by "management of staff and students, efficient management of finances, supervision of the implementation of school curricula and developing the relationship with the wider community" (Beck & Murphy, 1993). Ensuring quality education through operational management is the main duty of a head in a secondary school (Doran, Hill, Brown, Aktas & Kuula, 2013).

A secondary school head is regarded as an instructional leader to control schools' activities effectively and efficiently for ensuring quality education. S/he is expected to work as an educational manager to achieve schools' goals through team building and proper monitoring of all activities of the school (Beck & Murphy, 1993). The smooth functioning of a school seems to be necessary for quality education; and it is possible only when a secondary school head employs different strategies and different activities for effective management of the school or for the day-to-day working of the school to avoid misuse or wastage of resources —human, material and money (Pilkington & Fitzgerald, 2006). Generally, a school's head has to practice three main leadership strategies i.e. hierarchical, transformational and facilitative leadership strategies. This practice enables him/her to look at the situation through different angles and manage things accordingly (Amoli & Aghashahi, 2016; Robinson, 2007).

The hierarchical strategy of a leader is a "top-down approach" which makes the school head to be rationale in decision making for carrying out school activities properly. It believes in efficiency, control and foresight. It asserts rules and regulations assuming everyone to be accountable. It stems in pure professionalism and economic benefits while compromising personal contacts, creativity and

commitment (Deal & Peterson, 1994). Whereas, the transformation strategy of leadership considers values and value system of the organization to be important; it promotes a shared vision for the common good of the school community. Encouragement, optimism and intellectual excitement seem to be its main traits (Hopkins & Higham, 2007). It needs higher-order intellectual skills (Deal & Peterson, 1994) of the head teacher. However, the facilitative strategy of leadership acknowledges the partnership of vision and wisdom of the head teacher and teachers on a daily basis for putting the same into life activities/ actions. It compromises accountability,

relationships and professional comforts (Conley & Goldman, 1994).

Seemingly, the leadership strategies discussed above complement each other. Usually, despite considerable constraints, most of the head teachers manage their respective situations successfully through a collegial culture and in a professional manner. They often identify the potential of teachers, build teams and assign activities for the smooth functioning of the school without wastage of resources (Evetts, 1992). Such school heads appear to be equipped with a mix of the above discussed leadership styles. Here the leadership seems to be distributed which considers teachers as specialists possessing specific competencies according to their personality traits—dispositions, interests, beliefs, aptitudes, prior knowledge, skills and the respective roles in the school(s) (Drajo, 2005). However, because of the individual differences, some teachers are better than their counterparts working on the same positions and in some cases in lower positions. In such cases, they are expected to co-operate with each other and promote a model of cooperative leadership (Leu & Price-Rom, 2005).

Even so, guidance and direction appear to be significant factors in managing the operations of a secondary school. Here a head teacher has to become a mentor and role model for his/her followers -the subordinates. At one time he/she directs and guides the teachers in assuming their tasks and at other time(s) s/he held them accountable for their work/ function or progress (Matthew, n.d.). However, it is coherent through a common culture of the dignity of work and mutual respect. It is distributed leadership which believes in the overall performance of the school organization by developing human potential and skills through training and retraining. It holds the notion that all individuals are important for the organization as all work together with a productive relationship for overall performance/ achievement of the school organization (Robinson, Lloyd, & Rowe, 2008; Leu & Price-Rom, 2005). It leads towards the principle of total quality management of which collaboration and teamwork are the main constructs (Eurydice, 2015). Simply to say that head teachers, teachers other staff members in the school promote an environment where they appreciated, encouraged and empowered with skills to contribute optimally for quality education. Generally, in schools, the main duty of a leader is seen through working and performance of the school in terms of students' achievement in external examinations (Elmore, 2000). Hence a

secondary school head is expected to practice appropriate activities for the operational management of the school either through [role] modeling or firmness.

Focus of the Study

This study identified academic and administrative strategies for the operational management of secondary schools used by the heads to enhance the quality of secondary education.

Research Methodology

This descriptive study attempted to explain 'operation management strategies used by heads of secondary schools in questing for quality of education.

Population and Sampling

The population of the study consisted of heads working in government schools, teachers (science and arts), and students of secondary classes (Grade-IX and Grade-X).

A three-stage sampling technique was used for getting samples from the above populations. At stage first, one district from the sampled divisions was selected randomly; similarly, at second-stage ten boy's secondary schools (five urban, five rural schools) were selected randomly. The third stage consisted of the four secondary school teachers (at least one art's and one science) from each of the schools was selected purposively. Ten (10) students (05 from each Grade-IX and X) were also taken randomly from each of the sampled schools. However, all of the heads were contacted as respondents of the study.

Sampling Procedure

It was a non-sponsored self-managed study with time and cost its main constraints. Therefore, the convenient sampling technique of non-probablity sampling was used for data collection. The sampling procedure consisted of three-stages to draw samples from the above populations.

Stage-1

At stage first, one district from each of the sampled divisions was selected conveniently for data collection. The selected districts are as follows:

Table 1. Names of Sampled Divisions and Districts

Sr. No.	Name of Division	Name of District
1	Bahawalpur	District Bahawalpur
2	Multan	District Lodhran
3	Dera Ghazi Khan	District Dera Ghazi Khan
4	Sargodha	District Sargodha
5	Faisalabad	District Jhang

Stage-2

Similarly, at second-stage, ten boys from the secondary schools (five urban, five rural schools) were selected conveniently by the researcher from each of the sampled districts. Purposive and convenient sampling was used (Parahoo, (1997).

Stage-3

The third stage determined the respondents i.e. two secondary school teachers (one arts' subject, and one science subjects) from each of the sampled schools were selected purposively. Ten (10) students (05 students from each Grade-IX and Grade-X) were taken randomly from the sampled schools.

However, all heads were respondents of the study. The total size of samples consisted of

50 male head teachers, 100 secondary school teachers (SSTs) working in sampled secondary schools, and 500 secondary school students.

Table 2. Sample Size

Sr.	Name of	No. of S	Schools	Secor Sch Teac		Scl	ndary hool dents	Head
No	District	Urban	Rural	Urban	Rural	G-	G-X	Teachers
		M	M	M	M	IX	G-A	
1	District Bahawalpur	5	5	10	10	50	50	10
2	District Multan	5	5	10	10	50	50	10
3	District Dera Ghazi Khan	5	5	10	10	50	50	10
4	District Sargodha	5	5	10	10	50	50	10
5	District Jhang	5	5	10	10	50	50	10
Tota	Total		25	50	50	250	250	50
		5	0	10	00	5	00	50

No. of Responses (f)	94	450	46
Percentage of	94	90	02
Responses (%)	94	90	92

Development of Research Tools and Data Collection

Three questionnaires were developed on a "five-point rating (Likert Scale)" after the literature review. These were piloted in district Bahawalpur. After this, the tools were completed to administer. The data were collected by administering the finalized research tools by the researcher.

Data Analysis

The following section describes data analysis as presented in tabular form.

Table 3. Head Teachers Solve the School-Based Problems of their Teachers.

Statement	Opinion	Secondary School Students				ndary chers	School	Head Teachers			
		f	%	Mean	f	%	Mean	f	%	Mean	
Head	SA	100	22.23		31	32.98		21	45.65		
teachers	A	235	52.22		40	42.55		17	36.96		
solve the	UNC	70	15.56		13	13.84		5	10.87		
school-	D	40	8.88	3.85	9	9.57	3.97	3	6.52	4.21	
based	SDA	5	1.11		1	1.06		0	0.00		
problems of their teachers	Total	450	100		94	100		46	100		

Table-3 reflects the opinion of the respondents about the duty of heads in solving problems of teachers. The data analysis reveals that 52.22% of the students, 42.55% of the teachers and 36.96% of the heads affirmed the statement that heads solve school-based problems of their teachers. Similarly, 22.23%, 32.98% and 45.65% of the students, teachers and heads respectively strongly agreed to the statement. However, 8.88% of the students, 9.57% of the teachers disagreed with the statement and 1.11% of the students and 1.06 teachers strongly disagreed with the statement. The mean score 3.85, 3.97 and 4.21 of the students, teachers and heads respectively supported the statement.

Table 4. Head Teachers Promote A Culture of Discipline in the School

Statement	Opinion	Secondary School Students			Sec	ondary S Teache		Head Teachers			
	•	f	%	Mean	f	%	Mean	f	%	Mean	
Head	SA	143	31.78	4.16	19	20.21	4.06	13	28.26	3.86	
teachers	A	257	57.11	4.10	65	69.15	4.00	21	45.65	3.80	

promote a	UNC	35	7.78	7	7.45	05	10.87	
culture of	D	9	2.00	3	3.19	7	15.22	
discipline	SDA	6	1.33	0	0.00	0	0.00	
in the school	Total	450	100	94	100	46	100	

Table-4 reflects the opinion of the respondents about promoting the culture of discipline in the school by heads. The data analysis reveals that 57.11% of the students, 69.15% of teachers and 45.65% of heads agreed to the statement that heads promote a culture of discipline in the school. Likewise, 31.78%, 20.21% and 28.26% of the students, teachers and heads respectively strongly agreed to the statement. However, 2.00% of the students, 3.19% of the teachers and 15.22% of the heads disagreed with the statement; whereas, 1.33% of the students strongly disagreed with the statement. The mean score 4.16, 4.06 and 3.86 of the students, teachers and heads respectively supported the statement.

Table 5. Head Teachers Conduct Performance Evaluation of School Staff Regularly

Statement	Opini	Secondary School Students			Sec	ondary S Teache		Head Teachers			
	on	f	%	Mean	f	%	Mean	f	%	Mean	
	SA	123	27.33		21	22.34		20	43.48		
<u>s</u>	A	281	62.45		65	69.15		26	56.52		
ther ce of	UNC	29	6.44		8	8.51		0	0.0		
teachers st mance tion of staff	D	13	2.89	4.12	0	0.0	4.13	0	0.0	4.43	
Head teaconduct erforman valuation stafo	SDA	4	0.89		0	0.00		0	0.0		
Head teache conduct performance evaluation or school staff	Total	450	100		94	100		46	100		

Table-5 reflects the opinion of the respondents about the performance evaluation of the teachers by heads. The data analysis reveals that 62.45% of the students, 69.15% of the teachers and 56.52% of the heads agreed to the statement that the scheme of study develops professional skill and competency in prospective teachers. Even so, 27.33%, 22.34% and 43.48% of the students, teachers and heads respectively strongly agreed to the statement. However, 2.89% of the students disagreed to the statement. The mean score 4.12, 4.13 and 4.43 of the students, teachers and heads respectively affirmed the statement.

Table 6. Head Teachers Keep an Eye on School Issues

Statement	Opinion	Secondary School Students				Seconda 100l Tea		Head Teachers			
		f	%	Mean	f	%	Mean	f	%	Mean	
	SA	165	36.67	4.32	21	22.34	4.02	11	23.92	4.19	

Head	A	269	59.77	59	62.76	33	71.74	
teachers	UNC	12	2.67	9	9.57	2	4.34	
keep an eye on	D	04	0.89	5	5.33	0	0.00	
school	SDA	0	0.0	0	0.00	0	0.00	
issues	Total	450	100	94	100	46	100	

Table-6 reflects the opinion of the respondents about the interest heads in solving school issues. The data analysis reveals that 59.77% of the students, 62.76% of the teachers and 71.74% of the heads agreed to the statement that heads keep an eye on school issues. Likewise, 36.67%, 22.34% and 23.92% of the students, teachers and heads respectively strongly agreed to the statement. However, 0.89% students, 5.33% of the teachers disagreed to the statement. The mean scores 4.32, 4.02 and 4.19 of the students, teachers and heads respectively supported the statement.

Table 7. Head Teachers Regularly Check Lesson Plans

Statem	Opinion		ondary S Students			condary Teachers		Head Teachers(M)			
ent		f	%	Mean	f	%	Mean	f	%	Mean	
TT 1	SA	138	30.67		3	32.97		15	32.60		
Head teachers	A	231	51.34			4 6	48.93		31	67.39	
regularl	UNC	46	10.22	4.00	8	8.51	4.05	0	0.00	$\begin{bmatrix} 4.3 \\ 2 \end{bmatrix}$	
y check	D	14	3.11		9	9.57		0	0.00		
lesson plans	SDA	21	4.66	-	7	0	0.00		0	0.00	
	Total	450	100		9 4	100		46	100		

Table-7 reflects the opinion of the respondents about heads in checking lesson plans of the teachers. The data analysis reveals that 51.34% of the students, 48.93% of the teachers and 67.39% of the heads agreed to the statement that heads regularly check lesson plans. Likewise, 30.67%, 32.97% and 32.60% of the students, teachers and heads respectively strongly agreed to the statement. However, 3.11% of the students and 9.57% of their teachers disagreed with the statement; whereas, 4.66% of the students strongly disagreed with the statement. The mean score 4.00, 4.05 and 4.32 of the students, teachers and heads respectively supported the statement.

Table 8. Head Teachers Observe the Time Table Regularly

Stateme nt	Opini	Secondary School Students			Sec	ondary Teache		Н	Head Teachers			
nt on		f	%	Mean	f	%	Mean	f	%	Mean		

	SA	150	33.33		32	34.05		11	23.92	
Head	A	236	52.44		45	47.87		27	58.69	
teachers observe	UNC	36	8.00		10	10.64		5	10.86	4.60
the time	D	18	4.00	4.10	7	7.44	4.08	3	6.53	4.69
	SDA	10	2.22		0	0.00		0	0.00	
	Total	450	100		94	100		46	100	

Table-8 reflects the opinion of the respondents about the observance of the timetable by the heads. The data analysis reveals that 52.44% of the students, 47.87% of the teachers and 58.69% of the heads agreed to the statement that heads observe the time table regularly. Similarly, 33.33%, 34.05% and 23.92% of the students, teachers and heads teachers respectively strongly agreed with the statement. However, 4.00% of the students, 7.44% of their teachers and 6.53% of the heads disagreed to the statement; whereas, 2.22% of the students strongly disagreed with the statement.

Table 9. Head Teachers Consult Teachers in Academic Decisions

Statem ent	Opinio n	Secondary School Students			Secondary School Teachers			Head Teachers		
		F	%	Mean	f	%	Mean	f	%	Mean
Head	SA	106	23.56		17	18.08		4	8.69	
teachers	A	277	61.56	4.00	77	81.91	4.18	30	65.21	3.82
consult	UNC	41	9.11		0	0.00		12	26.08	
teachers	D	16	3.56		0	0.00		0	0.00	
ın .	SDA	10	2.22		0	0.00		0	0.00	
academi c decision s	Total	450	100		94	100		46	100	

Table-9 reflects the opinion of the respondents about the consultation of heads to their teachers in the academic decisions of schools. The data analysis reveals that 61.56% of the students, 81.91% of the teachers and 65.21% of the heads agreed to the statement that heads consult teachers in academic decisions. Similarly, 23.56%, 18.08% and 8.69% of the students, teachers and heads respectively strongly agreed to the statement. However, 3.56% of the students disagreed with the statement and 2.22% of them strongly disagreed with the statement. The mean score 4.00, 4.18 and 3.82 of the students, teachers and heads respectively supported the statement.

Table 10. Head Teachers Hold Periodic Meeting of Teachers Regarding Coverage of Syllabus

Stateme nt	Opi nion	Secondary School Students			Secondary School Teachers			Head Teachers		
		f	%	Mean	f	%	Mean	f	%	Mean
Head teachers hold periodic meeting of teacher regarding coverage of syllabus	SA	128	28.44	3.98	20	21.27	3.98	18	39.13	4.39
	A	245	54.44		59	62.76		28	60.86	
	UN C	32	7.11		9	9.57		0	0.00	
	D	30	6.67		6	6.38		0	0.00	
	SDA	15	3.33		0	0.00		0	0.00	
	Tota 1	450	100		94	100		46	100	

Table-10 reflects the opinion of the respondents about meetings conducted by the heads regarding coverage of the syllabus. The data analysis reveals that 54.44% of the students, 62.76% of the teachers and 60.86% of the heads agreed to the statement that heads hold periodic meetings of teachers regarding coverage of syllabus. Similarly 28.44%, 21.27% and 39.13% of the students, teachers and heads respectively strongly agreed with the statement. However, 6.67% of the students and 6.38% of the teachers disagreed with the statement. Whereas, 3.3% of students strongly disagreed with statement that heads hold periodic meetings of teachers regarding coverage of syllabus. The mean score 3.98, 3.98 and 4.39 of the students, teachers and heads respectively supported the statement.

Table 11. Head Teachers Maintain Conducive to Working Environment in Their Schools

Statemen	Opini on	Secondary School Students			Secondary School Teachers			Head Teachers		
ı		f	%	Mean	f	%	Mean	f	%	Mean
Head	SA	102	22.66		13	13.82		13	28.26	
teachers	A	219	48.66		58	61.70		33	71.73	
maintain	UNC	85	18.88		19	20.21		0	0.00	
conducive	D	34	7.55	3.82	4	4.25	3.85	0	0.00	4.28
to working	SDA	10	2.22		0	0.00		0	0.00	.,_,
environme nt in their schools	Total	450	100		94	100		46	100	

Table-11 reflects the opinion of the respondents about maintaining conducive to the working environment in the schools. The data analysis reveals that 48.66%

of the students, 61.70% of the teachers and 71.73% of the heads agreed with the statement that heads maintain conducive to working environment in their schools. Similarly, 22.66%, 13.82% and 28.26% of the students, teachers and heads respectively strongly agreed with the statement. However, 7.55% of the students and 4.25% of the teachers disagreed with the statement; whereas, 2.22% of the students strongly disagreed with the statement that heads maintain conducive to the working environment in their schools. The mean score 3.82, 3.85 and 4.28 of the students, teachers and heads respectively supported the statement.

Results and Conclusion of the Study

The data analysis demonstrated that the majority of heads and teachers strongly agreed to the statement that they (heads) solve the school-based problems of their teachers; they promote a culture of discipline in the school; develop professional skills and competencies among teachers. However, the majority of the students remained undecided. It was revealed that most of the heads and teachers affirmed that heads keep an eye on school issues. They check the lesson plans of the teachers and strictly follow the time table. Students also affirmed it. The opinion about the consultation of heads to their teachers in the academic decisions of the schools was admitted by the heads, teachers and students. it showed that the heads hold periodic meetings of teacher regarding coverage of syllabus to maintain conducive to working environment in the schools. Hence it can be concluded that heads of secondary school used different strategies for the operational management of school including solving problems of teachers, holding meetings, promoting conducive to the working environment and observing timetable and consultation for timely completion of the syllabus.

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