ASSESSING UNIVERSITY STUDENTS' USE OF SELF-REGULATED LEARNING STRATEGIES IN ENGLISH SUBJECT

[1]Mobeen-Ul-Islam, [2]Anum Nisa, [3]Khalid Saleem, [4]Hira Atiq

1. **Assistant Professor, Department of Education, University of Gujrat, Gujrat.**
2. **PhD Scholar, Department of Education, University of Gujrat, Gujrat.**
3. **Associate Professor, Department of Teacher Education, University of Okara, Okara.**
4. **PhD Scholar,Department of Teacher Education, University of Okara, Okara.**

Abstract:

Self-regulated students involve in self-generated ideas, activities, and feelings when following educational goals. Furthermore, the successful students utilize suitable strategies of self-regulated learning and sustain their motivational level. Few research studies were conducted on self-regulated learning toexamine the individual differences such as gender among university students. The study was conducted to assess use of self-regulated learning strategies of university students in English Subject. Self-regulated learning strategies have two components: cognitive strategies &meta-cognitive strategies. The nature of this study was quantitative. Survey method was used to conduct this study. Target population was consisted of all students enrolled in BS (Hons) English program across the different general public-sector universities of Punjab province. Moreover, all students enrolled in general public-sector universities of central Punjab province were the accessible population of this study. Sample was selected by cluster random sampling technique. Sample of the study was comprised of 831 students of BS English program enrolled in 5 general public-sector universities that were randomly selected from all 8 general

public-sector universities of central Punjab province. They were assessed on use of self-regulated learning strategies by using Questionnaire about Self-Regulated Learning Strategies. Data was analyzed by using t-test and ANOVA. Results indicated that there was significant difference in use of cognitive and meta-cognitive strategies scores for males and females' students. Difference for use of cognitive strategies between 2nd and 4th semester, 4th and 6th semester and 4th and 8th semester was found significant. And Difference for use of meta-cognitive strategies between 2nd and 8th semester, 4th and 6th semester and 4th and 8th semester was found significant.

INTRODUCTION:

Self-regulated learning (SRL) is described in various ways by various researchers. As indicated by Zimmerman (2002), self-regulated learning is a "self-produced thoughts, sentiments, and practices that are arranged to accomplishing objectives" (p.65). In addition, he depicted that "self-regulated learning includes more than comprehensive information of a skill; it includes the self-awareness, self-inspiration, and behavioral aptitude to execute that information suitably" (p.66). Moreover, Zimmerman (2002) explains that self-regulation is an arrangement of capacities that include specific, open reason setting, methodology execution, self-checking, and redevelopment of behaviors to accomplish objectives, management of time, self-perception,and adjusting for the future. Likewise, he clarified that self-regulated learning strategies are the "activities coordinated at obtaining information or abilities thatinclude organization, rationale (objectives), and instrumentality self-observation by a student". In endeavors to consolidate the diverse definitions that exhibited at the time, Pintrich (2000) characterized self-regulated learning as "anactive, useful course of action whereby pupils set aims for their learning process and then try to monitor, conduct, and control their insight, motivation and behavior, directed and constrained through their goals and appropriate features during the situation".

Zimmerman (1990) clarified that there are various types of components in the above-mentioneddefinition. Firstly, this definition communicates a dynamic part; students are progressively concerned and have extensive purposes for learning. This component relates straightforwardly to the second element i.e., goal orientation. The focal point of goal orientation is on learning to accomplish the objectives. The direction and control of cognition is the third element that refers to the usage of learning strategies to develop student's learning. Furthermore, fourth element connects to the viewpoint of self-regulated learning. Moreover, the last component included in the above definition is student motivation; students must be persuaded to execute the extraordinary type of learning, which included motivational and cognitive elements (Boekaerts, 1996).

Ramdass and Zimmerman (2011) described that self-regulated learning (SRL) is a development process, it is practical, and under this process, students are likely to consolidate and manage their opinions, feelings, actions, and their situation to achieve their academic goals. Furthermore, Pintrich (2000) explained that SRL is a dynamic, useful procedure through which students set their educational goals and then they not only attempt to monitor their cognition, attitude and performance, but also regulate, and control them, according to their goals and the circumstantial features of the situation. It promotes students' self-competence and can also describe students' association to inspiration and achievement. Zimmerman and Kitsantas (2005) argued that processes of SRL not only enhance motivation, but also forecast academic achievement and physical involvement.

In brief, self-regulated learning is a multifaceted process, involving cognitive elements, motivational aspects and contextual components. In addition, meta-cognition is the mechanism that supervises these components that's why it forms the foundation of the development of self-regulated learning.

Meta-cognition:

According to Dinsmore, Alexander & Loughlin (2008), the term meta-cognition is normally used in the study on self-regulated learning. Sometimes, self-regulated learning and meta-cognition are used interchangeably. Though, these ideas are strongly associated and refer to unusual constructs.

They described that meta-cognition is the awareness about the cognition of phenomenon. Moreover, they hypothesized that observation of cognitive activities takes place during the procedures and connections between meta-cognitive awareness, practices, tasks and approaches. Furthermore, theydescribed meta-cognitive awareness as the awareness or viewpoint about the method wherein variables work and relate to influence the course and result of cognitive activities. This kind of awareness is a requirement for the self-sufficient employ of learning strategies. Learners who have less meta-cognitive awareness do not recognize how and when to utilize learning strategies.

Moreover, meta-cognitive awareness can refer to the individual, activity and approach which can be utilized to perform an activityfruitfully. Theyexamined that young learners have less meta-cognitive awareness than older learners. Theydescribed that through meta-cognitive practices and meta-cognitive awareness a student become conscious. Furthermore, this understanding is a compulsory step to build up individual's meta-cognitive awareness. Theydeclared that it is feasible to develop learners' meta-cognition through guidance. Learners' understanding and learning are enhancedby improving their meta-cognition.

Stages of self-regulated learning

There are three stages in the self-regulation process (Zimmerman, 2002). These three stages are given below:

Figure1.1. Stages of Self-Regulated Learning
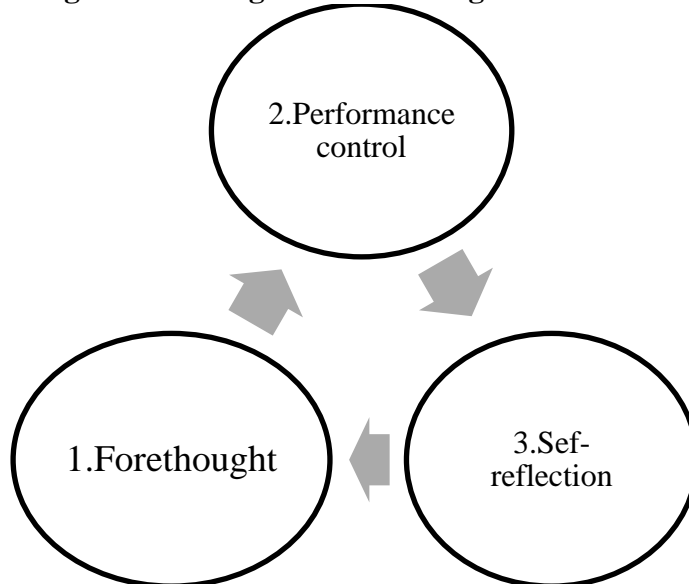
Forethought:When students are involved in an educational task then forethought stage begins. This is the primary stage that represents the processes that persuade thinking and efforts to gain knowledge and sets the goal for learning. Two processes i.e., goal setting and strategic planning are employed in the forethought stage of self-regulation. In this stage task has been recognized and students shift into the performance control stage.

Performance Control:The performance control stage is the second stage of self-regulation. It occurs throughout the efforts of learning and influences meditation and performance. Three processes i.e., concentration focusing, self-instruction or articulation, and self-monitoring are involved in this stage.

Self-reflection: Self-reflection is the last stage of self-regulatory process. It occurs after the learner's efforts have been implemented in the learning. There are many processes incorporated in this stage like self-assessment, acknowledgments, self-reaction, and adaptively. Self-assessment is the judgment of knowledge that is gained from self-observation to few principles that are set by the teacher or the students.

In fact, the stages of self-regulatory processes are self-sufficient that every stage generates inertia for the upcoming stage. The forethought stage organizes the learner for and persuades the procedures and strategies that student utilizes in the performance control stage. Information gathered throughout the performance control stage is employed in a relative basis in the stage of self-reflection. The self-reflective stage of self-regulation persuades the forethought stage during self-efficacy of mastering the ability, educational goal orientation, and natural interest in assignment. In addition, the self-reflection stage affects the forethought process: goal setting and strategic planning.

In summary, Zimmerman (2002) summarized that self-regulated learning is not an ambiguous or unclear idea, it is a methodical individual learning procedure, and it has three chronological phases: Forethought, Performance, and Self-reflection. First and the third steps of learning have intellectual and emotional characteristics. At the 2nd phase, the process of self-monitoring is important because it creates the instruction impetus for self-controlling. In conclusion, he claims that self-regulated learning consumes zero to organize with the contrast between formal and informal learning. Whether the student acquires in institutions, with instructor, through internet, or on their own, these three stages of SRL will not be altered.

Elements of Self-Regulated Learning Strategies:

General Expectancy-Value Models describe the information-processing theory that clears how students develop diverse strategies. The information-processing theory was presented by Weinstein and Mayer (1986). They explained that learning strategies are the ideas and actions that students use to influence the procedure of encoding and recovery of figure and facts. The general expectancy-value theory of self-regulated learning comprises two most imperative categories of strategies, cognitive &meta-cognitive strategies.

Cognitive Strategies: The cognitive strategies are the information processing which is focus on how students gain, psychologicallyadapt, and retain the knowledge and how these processes of cognitiontransform all over the development (Mayer, 2008).The process of cognitive strategies has three major phases: First phase is rehearsal strategy. It incorporates reading exercise, clustering, descriptions, and practices of mnemonic to remember the information. It is helpful to accumulate the information into the memory by repeating the subject material.

Figure1.2. Phases of Cognitive Strategies
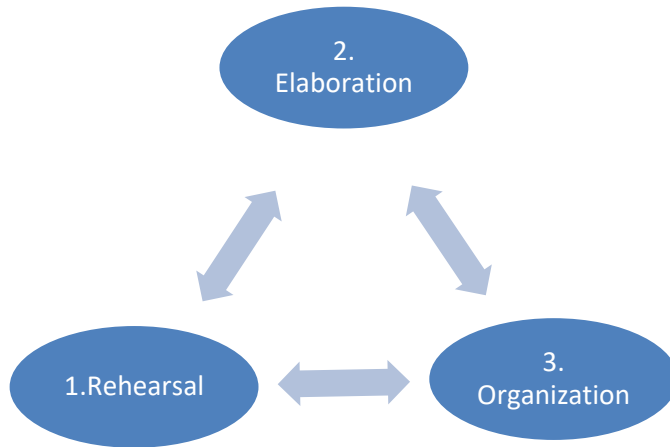
The 2nd phase of cognitive strategy is elaboration strategy, it involves the practices of interpreting, summarizing, producing analogies, making key notes in own words, and questioning answering. In this strategy a link is created between new and the previous knowledge in this strategy.

 And third phase is organizational strategy.It inculcates practices of skimming, exactness the passage that must be learned, and developing practices like relating or recording to organize ideas. It is helpful in creating the information in your mind to assist learning. According to Pintrich and Schrauben (1992) rehearsal strategies are useful for retaining information and other two strategiesare necessary for complicated tasks that need to understand the subject matter.

Meta-cognitive Strategies: Meta-cognitive strategies are describedas the behavior of the learner which he/she presents in the process of learning. According to Higgins (2000) meta-cognition deals with the consciousness, facts, and organization of cognition. There are three universal processes of meta-cognitive strategyi.e., planning, monitoring, and regulating. These universal processes lead the individual to self-regulatory behavior.

Figure1.3. Stages of Meta-Cognitive Strategies
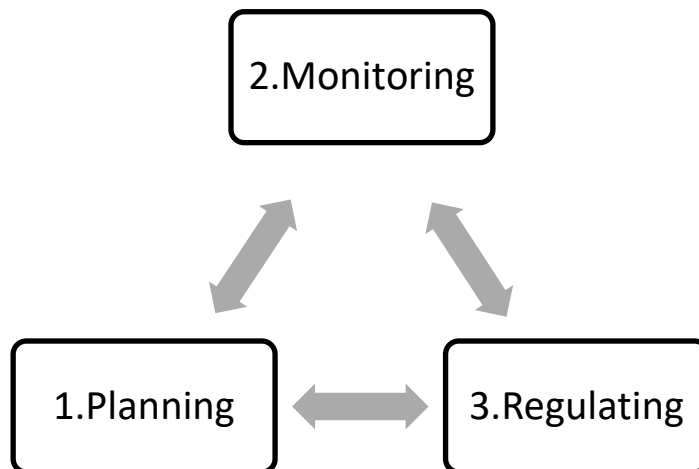
In the planning process goal-setting for study and task analysis activities are performed. It helps to stimulate the features of previous knowledge which help in organizing and understanding the information easily. The process of monitoring includes discovering learner's attention as learner reads, and self-assessment and inquiring. It is helpfulto the students in recognizing the knowledge and relating it with previous knowledge. In regulating process, theadaptation and everlastingimprovement of learner's cognitive behaviors are involved. Activities of regulating process are expected to enhance performance through supporting pupils in monitoring & approving their actionsin which pupils maintained the process of learning.

Factors that Affect Self-Regulated Learning:

Self-Efficacy: Bandura (1986) defined that self-efficacy as individual beliefs about his/her own potentials to learn or execute skills at selected levels. Bandura (1997) further explained that self-efficacy fundamentally controls motivation and events. He argued that it is the essential mechanism of planned human achievement. Bandura (1986) claimed that if students have strong self-efficacy viewpoints then they are more persistent in their learning process. Moreover, Pintrich and Schrauben (1992) found that students with high self-efficacy utilize more cognitive and other learning strategies. Self-efficacy builds up when students observe their progress in learning and when they achieve their objectives.

Motivation: Motivation is a goal directed behavior that is initiated by hope related to the predictable outcomes of events and self-efficacy for executing those events (Bandura, 1986). According to the Pintrich and Schunk (1996), it controls how and why individuals learn and also persuade their performance. Researchers (Pintrich, 1989; Pokay&Blumenfeld, 1990) found that individuals with high interest in a subject employ more self-regulated learning strategies while individuals with low interest in the subject utilize less self-regulated learning strategies. Pintrich and Schunk (1996) explained that the role of motivation in student's educational achievement is very imperative that's why learners' motivational leaning is definitely associated to learners' self-regulation. Motivation is required for the student to employ the strategies that will control learning procedures.

Goals: Both the processes of self-regulation and self-efficacy belief work as an inter-reliant approach and reconciled by goals. Bandura (1995) described that attaining individual's own goals can increase his or her self-efficacy in implementing the tasks that involve vague or new elements. Aims or goals are the standard that learners use to examine their improvement in learning. There are two key functions of goals in self-regulated learning. Goals direct the students to observe and control their efforts in a particular direction. Furthermore, goals provide criteria for students to assess their performance (Bandura, 1986). Goals are general in nature and need extensive period of time to achieve. Ablard and Lipschultz (1998) found that students with low mastery and low performance goals use less self-regulated learning strategies and students who have high mastery and performance goals use more strategies.

Developmental Levels of Self-Regulated Learning:

According to the Schunk and Zimmerman (1998), the attainments of broad range of capabilities of self-regulatory skill appear in a sequence. As per Boekaerts et al. (2001), there are four progress levels of regulatory skills: observation, emulation, self-control, and self-regulation. The

improvement of self-regulation is reliant upon societal agents like parents, instructors, teachers, and friends.

Observation Level: The level of observation is occurring, when students are commenced to the most important features of an ability or skill from inspecting a model performed.

Emulation Level: In this level the opportunity is provided to the students for utilizing the model. It moves the students from level of observation into the level of emulation. It is regarded as the emulation level as there is rarely an accurate simulation of the utilization of the model; simply the common standards of manner and function are implemented. This is compulsory in the development process of self-regulatory abilities because it is essential for the students to implement the strategies individually to engage them into their plan.

Self-controlled Level: In self-controlled level, learner demonstrates intentional exercise of skills. Presentation in the company of a teacher or trainer on the model makes it complex to find out that the student is self-assured in utilizing the knowledge gained through employing these environmental indications or not. The student might not have stimulated from the level of emulation if teacher or trainer is still present in the learning condition.

Self-regulation: The last level is self-regulation is obvious when students may adjust their performance in modifying individual and contextual circumstances. These alterations and variations can be prepared through successful processes of self-observing and self-reactive which have been build up with exercise.
Hence, it is concluded that self-regulated learning is neither developed mechanically during maturation nor is a part of intelligence. It is neither obtained inactively and directly from the surroundings nor is it inherent. But self-regulation is a scholarly reaction that can be learned and organized by the student.

Statement of the Problem:

Different research studies conducting on self-regulated learning that were mainlyconcerted on a single variable like individual differences, gender differences or ethnic groups in use of SRLstrategies. Iffat Batool (2013) concluded in her study that there is a considerable mean difference in the use of SRL strategies across gender.On the other hand, there weredifferences in the associationsamongpostponement of gratification &thecognitive strategies usage, among ethnicity groups (Bembenutty, 2007). In this study, researcher wants to gain more complete academically understanding of self-regulated learning across gender and semester in English subject. That's why the researcher wants to concentrate on exploration of the multivariate nature of variables and comparison with self-regulated learning strategies.

RESEARCH QUESTIONS:

Q1. What type of self-regulated learning strategies students use in English Subject?

Q2. Is there a significant difference in the mean score of use of cognitive and meta-cognitive strategies for male and female students in English?

Q3. Is there a significant difference in use of cognitive strategies for 2nd, 4th, 6th and 8th semesters in English?

Q4. Is there a significant difference in use of meta-cognitive strategies for 2nd, 4th, 6th and 8th semesters in English?

METHODOLOGY:

Nature of this study is descriptive and comparative. All students that enrolled in BS (Hons) English across the different general public-sector universities of Punjab province are the target population. And the accessible population consisted of all students that were enrolled in general public-sector universities of central Punjab province. Central Punjab is the most populous region of Punjab province. According to the website of Humshehri (2017) the districts fall in the central Punjab are:Faisalabad, Sialkot, Sargodha, Sheikhupura, Mandi Bahauddin, Gujrat, Narowal, Gujranwala, Jhang, Pakpattan, Hafizabad, Sahiwal, Lahore, Kasur, Lodhran, Toba Tek Singh, Okara, Khanewal and Vehari. 831 students of BS English students participated in this study. They were assessed on use of self-regulated learning strategies using Questionnaire about Self-Regulated Learning Strategies in English (QSRLSE). Descriptive and inferential statistics were used for data analysis. Mean and standard deviation were calculated to determine students' use of self-regulated learning strategies in English subject while t-test was computed to determine in the mean score of use of cognitive and meta-cognitive strategies across gender in English.Moreover, ANOVA was used to determine difference in use of cognitive and meta-cognitive strategies across different semesters in English

ANALYSIS AND INTERPRETATIONS

Q1. What type of self-regulated learning strategies students use in English Subject?

Table 1.1: Mean and Standard Deviation on SRLSQ Factors

SRLSQ Factors	No. of items	Mean	S.D.
Cognitive strategies	5	4.57	0.56
Meta-cognitive strategies	3	4.30	0.65

Analysis of data showed that that BS English students enrolled in public sector universities use both type of self-regulated learning strategies in English subject. They always use cognitive strategies (M=4.57, S.D. =0.56) and usually use meta-cognitive strategies (M=4.30, S.D. =0.65) in English subject.

Q2. Is there a significant difference in the mean score of use of cognitive and meta-cognitive strategies for male and female students in English subject?

Table 1.2: comparison of use of cognitive strategies across gender

Strategies	N	Mean	S.D.	Df	t-value	sig.(2 tailed)
Use of cognitive strategies of male	203	4.20	0.68	829	-2.393	.017
Use of cognitive strategies of female	628	4.33	0.64			

This table illustrates that t-value = -2.393 with df =829 is significant because p = .017 < α = 0.05 this shows that there is significant difference in use of cognitive strategies across gender. The magnitude of the difference in the means (mean difference = -0.12611, 95% CI: -0.2295 to - 0.0226) was very small (eta square = 0.006).

Table 1.3: comparison of use of meta-cognitive strategies across Gender

Strategies	N	Mean	S.D.	Df	t-value	sig.(2 tailed)
Use of meta-cognitive strategies of male	203	4.48	0.61	312.85	-2.245	.025
Use of meta-cognitive strategies of female	628	4.59	0.55			

This table illustrates that t-value = -2.245 with Df = 312.85 is significant because p = .025 < α = 0.05 this shows that there is significant difference in use of meta-cognitive strategies across gender. The magnitude of the difference in the means (mean difference = -0.1079, 95% CI: - 0.2025 to -0.0133) was very small (eta square = 0.006).

Q3. Is there a significant difference in use of cognitive strategies for 2nd, 4th, 6th and 8th semesters?

Table 1.4: Comparison in use of cognitive strategies across different semesters

	SS	Df	MS	F	sig.
Between Groups	5.403	3	1.801	4.252	.005
Within Groups	350.24	827	.424		
Total	355.65	830			

One-way analysis of variance was used to find out the difference in use of cognitive strategies across different semesters. Table 1.3 shows that F (827, 3) =4.252 was found significant asp=. 005<α.05.It is therefore concluded that there exists significant difference in use of cognitive strategies across different semesters.Significant difference of semesters was found on use of cognitive strategies. Post hoc Tuckey test was employed to find the difference level between different semesters. It is reported in table1.4.

Table 1.5:

Semesters	Mean	SD	Mean difference	Sig.
2nd semester	4.27	0.64	0.14*	.04
4th semester	4.42	0.53		
2nd semester	4.27	.64	0.036	.92
6th semester	4.24	.74		
2nd semester	4.27	.64	0.067	.73
8th semester	4.21	.66		
4th semester	4.42	.53		
6th semester	4.24	0.74	0.185*	0.01

4th semester	4.42	.53		
8th semester	4.21	.66	0.216*	0.01
6th semester	4.24	.74		
8th semester	4.21	0.66	0.030	.971

Difference for use of cognitive strategies between 2nd semester (M=4.27, SD=.64)& 4th semester (M=4.42, SD=0.53) was found significant as p=0.04<α=0.05. Similarly, 4th(M=4.42, SD=.53)& 6th semester (M=4.24, SD=.74) was also found significant as p=0.01<α=0.05. Furthermore, 4th(M=4.42, SD=.53)& 8th semester (M=4.21, SD= .66) was found significant as p=0.01<α=0.05. And Difference for use of cognitive strategies between 2nd(M=4.27, SD=.64)& 6th semester (M=4.24, SD=0.74) was found insignificant as p=0.92>α=0.05, similarly difference between 2nd(M=4.27, SD=.64)& 8th semester (M=4.21, SD= .66) was found insignificant as p=0.73>α=0.05. In addition, difference between 6th(M=4.24, SD=.74)& 8th semester (M=4.21, SD= .66) was found insignificant as p=0.97>α=0.05.

Q4. Is there a significant difference in use of meta-cognitive strategies for 2nd, 4th, 6th and 8th semesters?

Table 1.6: Comparison in use of meta-cognitive strategies across different semesters

	SS	Df	MS	F	sig.
Between Groups	4.276	3	1.425	4.544	.004
Within Groups	259.412	827	.314		
Total	263.687	830			

One-way analysis of variance was used to find out the difference in use of meta-cognitive strategies across different semesters. Table 1.5 shows that F (827, 3) =4.544 was found significant asp=.004<α0.05. It is therefore concluded that there exists significant difference between use of meta-cognitive strategies and different semesters.Significant difference of semesters was found on use of meta-cognitive strategies. Post hoc Tuckey test was used to find the difference level between different semesters. It is reported in table 1.6.

Table 1.7.

Semesters	Mean	SD	Mean difference	Sig.
2nd semester	4.59	0.54	-.0618	.631
4th semester	4.65	0.47		
2nd semester	4.59	0.54		
6th semester	4.51	0.60	.0849	.362
2nd semester	4.59	0.54		
8th semester	4.46	0.62	.1332*	.042
4th semester	4.65	0.47		.036
6th semester	4.51	0.60	.1467*	
4th semester	4.65	0.47	.1950*	.006
8th semester	4.46	0.62		
6th semester	4.51	0.60	.0483	.847
8th semester	4.46	0.62		

Difference for use of meta-cognitive strategies between 2^{nd}(M=4.59, SD=.54)&8th semester (M=4.59, SD=.62) was found significant as p=0.04<α=0.05. Similarly, 4^{th}(M=4.65, SD=.47)& 6th semester (M=4.51, SD=.60) was also found significant as p=0.03<α=0.05. Furthermore, 4^{th}(M=4.65, SD=.47)& 8th semester (M=4.59, SD=.62) was found significant as p=0.006<α=0.05. In contrast difference for use of meta-cognitive strategies between 2^{nd}(M=4.59, SD=.54)& 6th semester (M=4.51, SD=.60) was found insignificant as p=0.33>α=0.05, similarly difference between 2^{nd}(M=4.27, SD=.64)& 4th semester (M=4.65, SD=.47) was found insignificant as p=0.63>α=0.05. In addition, difference between 6^{th}(M=4.51, SD=.60)& 8th semester (M=4.59, SD=.62) was found insignificant as p=0.97>α=0.05.

DISCUSSION AND CONCLUSION:

In this part, outcomes of this research study are discussed with the support of other researchers' studies. The major objective of the study was to Assess Students' use of Self-Regulated Learning Strategies in English Subject at university level. Findings of the study lead us towards following discussion.

This study demonstrates interesting dimensions of the differences for use of self-regulated learning strategies in English subject across gender and different semester. A sample of 831 students participated in the study. They were assessed on the Questionnaire about use of Self-Regulated Learning Strategies in English (QSRLSE). In this research, it is concluded that female students that enrolled in BS English use more self-regulated learning strategies as compared to male students in English subject. Moreover, students that enrolled in 2nd and 4th semesters are use more self-regulated learning strategies as compared to 6th and 8th semesters in English subject. The findings of the study support the previous studies that were conducted by the Kari Kivinen (2003). He found that there was significant difference between the mean score of use of SRL strategies for male and female students. Female students utilize more SRL strategies then male students. Moreover, Iffat Batool (2013) concluded in her study that there is a considerable mean difference in use of SRL strategies across gender.

In the higher level of education Self-regulated learning (SRL) is an imperative zone of research and it has achieved consideration in the field of educational research (Pintrich, 1995). According to the Zimmerman (1989), self-regulated learning is an approach that involves "activities and procedures aimed at obtaining knowledge and skill that include action, objective, and instrumentality awareness through learners". Motivational approaches and learning approaches are utilized in self-regulated learning process to the extent in which pupils are deliberately and actively participate in the process of learning (Zimmerman, 1989; Pintrich, 1995). Pintrich (1995) explained that self-regulation is taught by practice and self-reflection to the individuals. In this way, self-regulated learning is an excellent objective for learners' involvement as learners are competent to become self-regulated students.

RECOMMENDATIONS:

Learners who use SRL strategies are known with and have experience to employ a sequence of cognitive strategies. These facilitate them to focus to, renovate, systematize, elaborate and improve knowledge. They also have experience to plan, organize and control their cognitive processes in the direction of the attainment of individual purposes (meta-cognition). Consequently, teachers must to create such type of classroom setting in which students use more

and more self-regulated strategies. Moreover, Teachers must to aware the students about the importance of self-regulation on their educational achievement. Teacher must to train to develop the interest of the students about the use of SRL in English subject.

This may be guarantee that self-regulated students are master dynamic in usage of strategies to achieve objectives that are set by them (Zimmerman, 2000). Moreover, He assumes that students who utilize self-regulated learning strategies are known with and have practice to utilize a cycle of cognitive strategies. These encourage them to concentrate to, restore, systematize, expand and enhance information. In addition, they have understanding to design, arrange and control their cognitive procedures toward the achievement of individual purposes (meta-cognition). Subsequently, educators must to make such sort of classroom setting in which students utilize increasingly self-regulated strategies. Besides Teachers must to conscious the students about the significance of self-regulation on their instructive accomplishment. Instructor must to prepare to build up the enthusiasm of the students about the utilization of self-regulated strategies in English subject.

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