Asian Resonance

Understanding Effect of Social Media On Aggression among Youth

Paper Submission: 05/10/2020, Date of Acceptance: 17/10/2020, Date of Publication: 18/10/2020



Archana Shukla
Faculty of Department of
Psychology,
University of Lucknow,
Lucknow, Uttar Pradesh, India



Amreen Fatima
Guest Faculty,
Dept. of Management,
Indian Institute of Business
Management (IIBM)
Bangalore, Karnataka, India



Arushi Singh Student, Dept. of Psychology, University of Lucknow, Lucknow, Uttar Pradesh, India

Abstract

The present paper endeavours to cast a glance on understanding the effects of social media on aggression among youth. The sample of the present paper comprised of 15 males and 15 females between the age of 19 to 22 years. Tools incorporated in the study includes; the Social Networking Time Use Scale (SONTUS) developed by Olufadi(2015) and Aggression Questionnaire by Buss & Perry (1922). The extensive use of Social Networking has been on the rise among the youth. In today's world, life cannot be imagined without Facebook, YouTube, Instagram, WhatsApp, LinkedIn or Twitter accounts and online handles. The new age social networking culture has been having met an enthusiastic response and acceptance. But this social media has influenced ourway of traditional interactions and social communications to a great extent. Thus, objectives of this study are to understand and investigate the extent of social media impact on the youth. This paper is an attempt to analyse the pattern of social networking usage and impact in order to determine the social networking addiction. The results of the study suggest that there was no significant relation between the use of social media and its effect on aggression.

Keywords: Social media, Aggression, Anxiety and Stress. **Introduction**

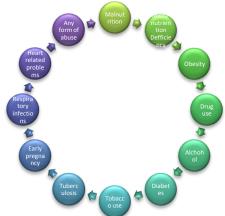
"Never doubt that a small group of thoughtful, committed people can change the world. Indeed, it is the only thing that ever has."

Margaret Mead

Youth is the period between childhood and adulthood. The United Nations defines youth as person between the age group from 15 to 24. Today's youth is identified as having particular mind set of attitudes. (Altschuler, et.al. 2012). The age range of youth in India is between 15 to 29 years of age, according to National Youth Policy (2014). This age range contributes to about 27.5% of our Indian population.

Surprisingly, the age between 7 to 12 is considered to have the capacity to commit any offence. Whereas, 18 years is the minimum age to attain legal activities. At this point of age an individual at 18 is able to vote. (U.N. 2003)The youth today is facing lot of problems. Some of these problems are related to the surroundings, while some are created by self. There are several biological and psychological problems as well. Major biological/physical and psychological problems faced by youth in India are mentioned as;

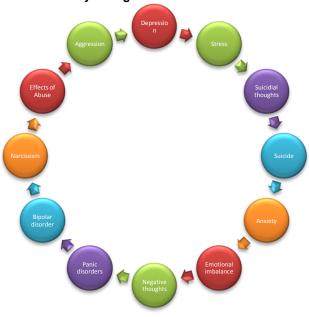
Physical Problems of Youth



(Sunitha and Gururaj, 2014)

Asian Resonance

Psychological Problems of Youth



(Mahendram2015)

Aggression among Youth

Aggressionis a word that we use every day to characterize the behaviour of others and perhaps even of ourselves. Aggression is defined as behaviour that is intended to harm another individual who does not wish to be harmed(Baron & Richardson1994). Moreover, there are different forms of aggression and there are different functions that aggression can perform. Different types of aggression are as follows:

- 1. Physical aggression; hitting, biting etc.
- Verbal aggression; yelling, screamingetc, Anderson and Huesmann (2003).
- Relational or social aggression; harming another person's social relationships Crick & Grotpeter (1995).
- 4. Instrumental or cognitive aggression; hurting someone to gain something, money, reward etc.
- 5. Emotional or impulsive aggression; the extreme negative emotion Bushman & Anderson (2001).

Aggression is expressed in many forms like, verbal or physical. There can be many reasons that may leads aggression; peer pressure, norms, relationship issues with friends or family. Since there are many ways to express aggression there is also one way called social media which is the easiest way to express thoughts and the easiest way of getting effected by them. violent things shown online contains negative thoughts and content which may harm others.

Social Media

Social media are the platforms that help in conceptions and sharing of information, ideas, creativity, interest and all other forms of expressions via virtual networks. Social media help in development of online social networks by connecting profile of user's with other groups or individual. It helps to improve individual's connection with online groups. (Obar, Wildman 2015)

Social Media and Addiction

Addiction is conduct which leads to pleasurable ace resulting in weakening a person in some or the other way. This addiction leads to conflict with everyday work, family work and person's social life. If a person or individual spends more than 1 hour on daily basis at any kind of social media is said to be addicted to social media. Individual gets addicted to social media by constantly checking their phones, which leads to poor performance at work. (Dr. Wilson, 2015)

After having gone through the studies on the youth, it can be stated that a lot of work has been done on the factors like age Wilson, Fornasier and White (2010), gender, Harris and Bohnhoff (1996) etc.There is a dearth of literature with reference to effects of social media among youth, especially in the Indian context. Thus, this encouraged the researchers to take up the present study. While reviewing the literature some questions came into the mind of the researchers like; Does the social media really leave impact on youths in terms of aggression? How does youth deals with their aggression? How does youth express their aggression on any social media platforms? Etc. Hence an attempt is made in the present paper to study some of the questions.

Review of Literature Demographic variables Age and Gender

In a study by Kircaburun (2016) revealed that "self-esteem and social media addiction predict 20% of the daily internet use". Likewise, Jeffery and colleague (2005) found that children who reported the most faking behaviour on the internet i.e. pretending to be older than age had poorer social skills, lower level of self-esteem, they had much higher level of anxiety and higher level of aggression". Similarly, Wilson, Fornasier and White (2010) reported that "social media or social networking sites extend to the wide range of internet which attracts extroverts".

Luther and Legg (2010) showed that acts of physical aggression were more likely to be carried out by male characters, whereas acts of social aggression were likely to be committed by characters. Moreover, Fardouly et.al, (2015)investigated the effect of Facebook usage on women's mood and body image, they concluded that "participants who spent time on Facebook reported being in a more negative mood than those who spent time on the control website". Additionally, Guzin et.al. (2011) found "the difference in making new contacts was in favour of males, the differences on the other three user purposes were in favour of females".

Psychological Variables

Brad and Rowell (2006) suggested that short term effects of violent media were greater for adults than for children whereas long term effects were greater for children.

However, Upadhyay (2018), mentioned that "significant negative correlation between self -control social media usage and positive wellbeing social media usage and non- significant negative correlation between social media usage paired with the other affective state"

Method

Objectives of the Study

- To study the gender difference between the domains of social media and aggression.
- To study the relationship between the domains of aggression and social media across gender.

Hypothesis

- Males will be high on relaxation, motives for use and academic time in the domains of social media.
- Females will be high on verbal aggression and anger in the domains of aggression.
- There will be positive correlation between use of social media and aggression among youth.
- The use of social media during stress and in public places will be positively correlated with physical and verbal aggression in males.
- The use of social media during the relaxation, motives for use and academic time will be positively correlated with anger and hostile in females.

Sample

Sample of 30 undergraduate students 15 males and 15 females from 19 years to 22 years age group were taken from arts faculty of University of Lucknow, Lucknow.

Variables

Predictor Variable- Social Media Criterion Variable- Aggression

Design

Correlational research design was used.

Tools Used

Social Networking Time Use Scale (SONTUS)

The scale was back translated for the present study. This scale was developed by YunusaOlufadi in 2015. This scale has 29 items in it. The content validity of this scale ranges from 0.88 to 1.00.

Asian Resonance

Aggression Scale

The scale was back translated then used in the present study. This questionnaire was developed by Buss & Perry in 1922. The internal consistency coefficients were: Physical Aggression, α = .85; Verbal Aggression, α = .72; Anger, α = .83 and Hostility, α = .77, with the internal consistency being α = .89. Test-retest reliability (nine weeks) for the subscales and total score ranged from α = .72 to α = .80

Procedure

Students were contacted one by one, they were told about the purpose of the study. Confidentiality was ensured. Some of the items were simplified for their understanding. The study was designed to understand the effect and usage of social media on aggression among youth. Participants were given the Social Networking Time Use Scale (SONTUS) and Buss Perry Aggression Questionnaire. After the data collection, scoring for each item in both(the scale and questionnaire)was done and correlation was calculated.

Results and Disscusion

Sample of 15 males and 15 females were taken from the age group of 19 years to 22 years. The sample was taken from University of Lucknow. Firstly, mean and standard deviation for males and females was calculated separately and then table was made for the same. After that, relation between domains of the scales were calculated using correlation in SPSS, which were discussed one by one.

Descriptive Statistics

A descriptive statistic is a summary statistic that quantitatively describes or summarizes features from a collection of information while descriptive statistics is the process of using and analysing those statistics. There was gender difference in the sample and it was calculated using t-test for both males and females.

Table 1: Showing Mean &Standard Deviation of the Male Sample on Social Media &Aggression Domains

Domains					
Descriptive Statistics Male					
	N	Mean	Std. Deviation		
For Social Media Scale Domains					
Relaxation And free period	15	42.6000	9.57527		
Academic Related period	15	31.2000	9.29055		
Public Places Related	15	27.6000	5.12417		
Stress Related Period	15	25.2000	5.12975		
Motives for Use	15	23.1333	5.19432		
For Aggression Domains					
Physical Aggression	15	29.8667	14.42650		

P: ISSN No. 0976-8602

E: ISSN No. 2349-9443

Verbal Aggression	15	14.2000	2.98089
Anger	15	20.0667	4.77294
Hostility	15	22.6000	4.73286
SONTUS Total	15	162.2667	28.13099
AQ Total	15	86.7333	23.87308

The table 1, representsmean and standard deviation of males' sample. Total number of male samples was 15. The total mean for SONTUS was 162.2667 and standard deviation was 28.13099, whereas, for aggressionthe total mean was 86.7333 and total for standard deviation is 23.87308 of the sample.

Table 2: Showing Mean &Standard Deviation of the Female Sample on Social Media &Aggression Domains

Descriptive Statistic Females					
	N	Mean	Std. Deviation		
For Social Media Scale Domains					
Relaxation And free period	15	42.5333	14.41164		
Academic Related period	15	39.2000	39.61457		
Public Places Related	15	23.7333	13.58816		
Stress Related Period	15	34.5333	25.40772		
Motives for Use	15	25.0000	9.94269		
For Aggression Domains					
PhysicalAggression	15	23.9333	4.44758		

Asian Resonance

VerbalAggression	15	15.2667	4.92032
Anger	15	21.1333	4.32380
Hostility	15	22.8667	7.02919
SONTUS Total	15	176.9333	82.62952
AQ Total	15	83.2000	15.86641

The table-2 represents the mean and standard deviation of females. The total of 25 females were included in the sample. The SONTUS, total mean computed was 176.9333 and standard deviation was 82.62952, whereas, aggression total mean was 83.2000 and standard deviation was15.86641.

Table 3: Correlation between Use of Social Media & Aggression

Correlations					
	SONTUS Total	AQ Total			
SONTUS	1	123			
AQ	123	1			

*SONTUS- Social Networking Time Use Scale *AQ- Aggression Questionnaire

Table-3 states the correlation between usage of social media and aggression. The results suggest that there was no significant relation between the two variables. Hence the hypothesis 1st made in thisregard "there will be positive correlation between use of social media and aggression among youth across gender"was rejected. A probable reason could be that social media was taken as a means of enjoyment in youth and not to show aggressive behaviours. Faye, Cheryl et.al. (2017)found that "cyber-aggression was experienced by a significant minority of university students, impacting their sense of wellbeing and mental health".

Table 4: Correlation Between Use of Social Media in Public Place &During Stress with Physical &Verbal Aggression in Males

Correlations						
	Public Places Stress Related Physical Aggression		Verbal Aggression			
PublicPlacesRelated	1	.460 [*]	476 [*]	097		
Stress Related Period	.460 [*]	1	070	134*		
Physical Aggression	476 [*]	070	1	.708*		
Verbal Aggression	097	134	.708**	1		

Table- 4 represents, the difference between use of social media during stress and in public places with physical and verbal aggression in males. The 2nd hypothesis made in this regard "that the use of social media during stress and in public places will be positively correlated with physical and verbal aggression in males" was rejected. The probable

reason could be that males may have other ways to deal with stress. In similar study, Kaya and Bicen (2016) found that "the university students were aware of protecting their social identity as their Facebook shares are not public. Furthermore, they respect privacy as they do not use their friend's Facebook account."

Asian Resonance

Table 5: Correlation between Use of Social Media during the Relaxation, Motives for Use &Academic Time with Anger &Hostility in Females

Correlations						
	Relaxation and freeperiod	Motives for Use	Academic Related Period	Anger	Hostility	
Relaxationandfreeperiod	1	.865**	.430	418	118*	
Motives for Use	.865**	1	.503 [*]	266	078	
Academic Related Period	.430	.503 [*]	1	.333	172*	
Anger	418	266	.333	1	.332	
Hostility	118	078	172	.332	1	

Lastly, the table-5 suggest the correlation between use of social media during relaxation, motives for use and academic time with anger and hostility in females. The results show that there was no significant relation between the variables. Hence the 3rd hypothesis made in this regards that "the use of social media during the relaxation, motives for use and academic time will be positively correlated with anger and hostility in females"was rejected. The probable reason could be that females don't show anger and hostilitybecause of using social media platforms during the time of relaxation, motives for use and academic time.In the contrasting studies, Guzin et.al. (2011)found "significant differences between gendersdifference on making new contacts".

Summary and Conclusion

The results of the study suggest that there was no significant relation between the use of social media and its effect on aggression, use of social media during stress and in public places. Pointing the impact of social media Akashdeep, Vinay and Sam (2017) concluded that "the impact of popular social media sites in Indian culture and the way of the use, purpose, the way through these sites are accessed is the same in the culture". The social media does not cause aggression among gender among males and females while using social media platforms at different places or for different purposes. The study can be used to see the relationship between use of social media and aggression.

Implications

- In context with the study, the effects of use of social media on aggression can be observed.
- Researches can also be done on different areas like urban and rural with people using different social media platforms and its effects on aggression.
- It is suggested that the researcher need to do work in the field of use of social media on different levels and its effects on aggression.

Suggestions

- It is suggested that the researcher need to do work in the field of use of social media on different levels and its effects on aggression.
- The researcher can also see the results between different age groups, like teenagers or adults to

- see the perspectives of people with different age groups.
- It is also suggested that research can also be done to see the difference in between urban and rural area people of different age group using social media platforms.

REFERENCES

- Altschuler, D., Strangler, G., Berkley, K., & Burton, L. (2009). Supporting Youth in Transition to Adulthood: Lessons Learned from Child Welfare and Juvenile Justice. Center for Juvenile Justice Reform.
- Akashdeep, B., Vinay, A., & Sam, Goundar. (2017). Impact of Social Networking on Indian Youth – A Survey. L.J. of Electronics and Information Engineering. 7(1). 41-51. DOI: 10.6636/IJEIE.201709.7(1).05)
- Anderson, C.A., Huesmann, L.R., 2003. Human aggression: a social-cognitive view. In: Hogg, M.A., Cooper, J. (Eds.), Handbook of Social Psychology. Sage Publication, London, pp. 296– 323
- Auer, Matthew R. (2011). "The Policy Sciences of Social Media". Policy Studies Journal. 39 (4): 709 736. doi:10.1111/j.1541-0072.2011.00428.
- Baron, R. A. & Richardson, D. R. (1994). Human aggression (2nd ed.). New York, NY: Plenum Press.
- Brad, J.L. & Rowell, H. (2006). Short-term and Long-term Effects of Violent Media on Aggression in Children and Adults. Arch Pediatr Adolescent Med. 160(4). 348-352.
- 7. Bushman, B. J., & Anderson, C. A. (2001). Is it time to pull the plug on hostile versus instrumental aggression dichotomy? Psychological Review, 108(1), 273–279.
- Bushman, B. J., & Huesmann, L. R. (2006). Shortterm and long-term effects of violent media on aggression in children and adults. Archives of Pediatrics & Adolescent Medicine, 160(4), 348-352.
- Connor, D. F., Steingard, R. J., Andersin, J. J.,&Melloni, R. H. (2003). Gender Differences in Reactive and Proactive Aggression. Child Psychiatry and Human Development. 33, 279-294.

- 10. Crick, N. R., & Grotpeter, J. K. (1995). Relational aggression, gender, and social-psychological adjustment. Child Development, 66(3), 710–722.
- 11. Dalsgaard, A. L. H., & Karen, T. (2008). Youth and the city in the Global South. Bloomington: Indiana University Press. 9.
- David, B., Carrie, L., Rose, T., Ciera, O., & Miriam, L. (2017). Extraversion, neuroticism, attachment style and fear of missing out as predictors of social media use and addiction. Personality and Individual Differences. 116(1). 69-72.
- Dr. Wilson, L. (2015). Social Media Addiction. Computer In World. 87-97.
- Drishti, S., Jugal, K., Nandini, S., & Mona, D. (2017). Aggression in schools: Cyberbullying and gender issues. Asian Journal of Psychiatry. 29. 142-145.
- 15. Fardouly, J., Diedrichs, P. C., Vartanian, L. R.& Halliwell, E. (2015). Social comparisons on social media: The impact of Facebook on young women's body image concerns and mood. Elsevier. 13. 38-45.
- Faye, M., Regehr, C., Daciuk, J., Fearing, G., & Wert, V. M. (2017). Social media, cyberaggression and student mental health on university campus. Journal of Mental Health. 27(3). 222-229.
- 17. Furlong, A. (2013). Youth Studies: Ar Introduction. USA: Routledge. 2-3.
- Government of India Ministry of Youth and Sports. (2014). National Youth Policy. Retrieved from
- 19. Gregoire, C. (2014). "Research Links Addictive Social Media Behavior With Substance Abuse." The Huffington Post. TheHuffingtonPost.com.
- Griffin, Kenneth W.; Botvin, Gilbert J.; Scheier, Lawrence M.; Diaz, Tracy & Miller, Nicole L. Psychology of Addictive Behaviours, 14(2), Jun 2000, 174-184.
- Griffiths, Mark D. (2013). Social Networking Addictions: Emerging Themes and Issues. Journal of Addiction. 163-168http://www.youthpolicy.org/national/India_201 4_National_Youth_Policy.pdf
- 22. http://www.youthpolicy.org/wpcontent/uploads/library/2003_INDIA_UNCRC_Eng.pdf
- Guzin, M. S., Usluel, &Kocak, Y. (2011). Gender differences in Using Social Networks. Journal of Educational Technology. 10(2). 133-139.
- 24. Hrris, M. B., & Bohnhoff, K. K. (1996). Gender and aggression II: Personal Aggressiveness. Sex Roles. 35. 27-42.
- Jeffery, P., Harman, C.E., Hansen, M.E., Cochran. & Cynthia, R.L. (2005). Liar, Liar: Internet Faking but Not Frequency of Use Affects Social Skills, Self-Esteem, Social Anxiety, and Aggression. Cyber psychology & behaviour. 8(1). doi.org/10.1089/cpb.2005.8.1
- 26. Kaplan, Robert M.; Konecni, Vladimir J. &Novaco, Raymond W. Aggression in children and youth. Italy, June 1981, 17-28.

Asian Resonance

- 27. Kaya, T. &Bicen, H. (2016). The effects of social media on students' behaviors; Facebook as a case study. Computers in Human Behaviour. 59. 374-379.
- 28. Kircaburu, K. (2016). Self-Esteem, Daily Internet Use and Social Media Addiction as Predictors of Depression among Turkish Adolescents. Journal of Education and Practice. 7(24). 64-67.
- 29. Kuss, Daria J., and Mark D. Griffiths. (2011).
 Online Social Networking and Addiction- A
 Review ofthe Psychological Literature.
 International Journal of Environmental Research
 and Public Health 8.9 (2011): 3528–3552.
- 30. Lenhart, A., Purcell, K., Smith. A. &Zickihr, K. (2010). Social Media & Mobile Internet Use among Teens and Young Adults. Pew Internet & American Life Project. 1-40.
- 31. Lloyd, William C. Aggression-Signs and Symptoms. Medical Reviewers, 13, Oct 2016.
- Luther, C. A., & Legg, R. (2010). Gender Differences in Depictions of Social and Physical Aggression in Children's Television Cartoons in the US. Journal of Children and Media. 4(2). 191-205.
- 33. Madden, M., Lenhart, A., Cortesi, S., Gasser, U., Duggan, M., Smith, A. & Beaton, M. (2013). Teens, Social Media and Privacy. Berkman Pew Research Center. 1-70.
- 34. Madden, M., Lenhart, A., Cortesi, S., Gasser, U., Duggan, M., Smith, A. & Beaton, M. (2013). Teens, Social Media and Privacy. Berkman Pew Research Center. 1-70.
- 35. Mahendra, A. (2015). Visible and Invisible Health Problems of Youth in India. Pacific Business Review International. 8(4).
- 36. Marche, S. (2012). Is Facebook Making Us Lonely?The Atlantic. 345-350.
- 37. Martin, M. J. & Schumacher, P. (2003). Loneliness and social uses of the Internet. Elsevier, 19, 659-671.
- Obar, Jonathan A.; Wildman, Steve (2015). Social media definition and the governance challenge: An introduction to the special issue. Telecommunications policy. 39 (9), 745– 750
- 39. Probst, C. (2015). Ways social affects our mental health. Journal of Addiction and Research Therapy. 202-210.
- 40. Ryan, T., &Xenos, S. (2011). Computers in Human Behaviour: Who uses Facebook? An investigation into the relationship between the Big Five, shyness, narcissism, loneliness and Facebook usage. Elsevier, 27, 1658-1664.
- Schurgun, G., Clarke, P. & Kathleen, K. (2011). The Impact of Social Media on Children, Adolescents and Families. Pediatrics, American Academy of Pediatrics. 127(4). 800-804. doi:10.1542/peds.2011-0054.
- 42. Sunitha. S., & Gururaj, G. (2014). Health behaviours & problems among young people in India: Cause for concern & call for action. Indian Journal of Medical Research. 140(2). 185-208.

- 43. Stein, E. (2014). Is Social Media Dependence a Mental Health Issue? The Fix: Addiction and Recovery, Straight Up. 556-560.
- 44. Sweetser, K. D. (2010). A Losing Strategy: The Impact of Nondisclosure in Social Media on Relationships. Journal of Public Relations Research. 22(3). 288-312.
- 45. UN Committee on the Rights of the Child. (2003). Consideration of Reports Submitted by States Parties Under Article 44 of the Convention. Second periodic reports of States parties due in 2000 - India. CRC/C/93/Add.5. Retrieved from
- 46. Vandenberg, B. & Marsh, U. (2009). Aggression in Youths: Child Abuse, Gender and SES. North American Journal of Psychology. 11(3). 437-441.
- 47. Vikramaditya, S. B., & Jayshri, B. (2019). Social Media and Indian Youth. International Journal of Computer Sciences and Engineering. 7(1).
- 48. Vishal, B. (2018). Social Media Usage and Psychological Wellbeing among Indian Youth.

Asian Resonance

- International Journal of Stress Prevention and Wellbeing. 2(4).
- 49. Vivek, T. (2017). Youth Violence and Social Media. Journal of Social Sciences. 52(1)(3). 1-7.
- 50. Wellman, B. (2012). Social media usage. Journal
- of information science. 25(5). 487-498. 51. Wells, S., Graham, K., John, M. S., &Koval, J.J. (2005). Drinking patterns, drinking contexts and alcohol-related aggression amona adolescent and young adult drinkers. Addiction, 100(7), 933-944.
- 52. White, H. R., Stephen, H., & John, B. (1993). Alcohol use and aggression among youth. Alcohol Health and Research World, 17(2), 144.
- 53. Wilson, K., Fornasier, S., & White, K. M. (2010). Psychological Predictors of Young Adults' Use of Social Networking Sites. Cyber psychology, Behaviour and Social Networking. 13(2). 173-178. DOI: 10.1089=cyber.2009.0094