A TAM Based Empirical Study of Acceptance of SNS by Academicians of Professional Colleges in and around Pune

1 Mrs. Pratibha Kulkarni,

1 MCA Dept., P. E. S. Modern College Of Engineering, Shivajinagar, MCA Department,

Pune - 05, Savitribai Phule

Pune University, Maharashtra, India.

2 Mrs.Poorna Shankar

Institute of Industrial and Computer Management Research, Pune Savitribai Phule Pune

University, Maharashtra, India.

Corresponding author: Mrs. Pratibha Kulkarni

MCA Dept., P. E. S. Modern College Of Engineering, Shivajinagar, MCA Department,

Pune - 05, Savitribai Phule

Pune University, Maharashtra, India.

Abstract:*This paper inspects the acknowledgment of academicians of professional colleges in and around Pune city towards Social Networking Sites (SNS) utilizing the technology acceptance model (TAM), inside the framework of a course. The examination model utilized in the current investigation receives the scale created by Davis (1989). Critical connections were seen between apparent convenience, seen handiness, and real framework use. Seen usability unequivocally interceded apparent helpfulness, while saw value, seen convenience intervened genuine framework utilization of Social Networking Sites.*

1.0 INTRODUCTION

Web gives various types of social association andactivities through the World Wide Web (WWW) or Web 1.0 innovations like individual site pages. InsideWeb 1.0, by far most of clients just going about as shoppers of substance. Later,Web 1.0 has been modified to Web 2.0 Websites which addresses the progress ahead one stepfrom distributing to cooperation. Truth be told, Web 2.0 Websites including video sharing destinations such asYouTube and person to person communication locales like Twitter and Facebook alludes to the second era ofthe WWW that works with joint effort and data sharing.

Interpersonal interaction Sites help academicians as well as offer incredible freedoms for correspondence among academicians and understudies. As an exceptionally populartechnology, SNSs open stages for clients to assemble and share their musings and acquireonline, social, indulgent situated benefits. In certain nations, SNSs are acquiring morepopularity in contrast with web indexes.

Utilizing interpersonal interaction locales, academicians can ready to improve the inclusion of their understudies in examinations and instruction, improve mechanical capacity, give an extraordinary feeling of joint effort in the study hall and make great relational abilities.

Technology Acceptance Model – TAM

The **Technology Acceptance Model** (**TAM**) is a data frameworks hypothesis that models how clients come to acknowledge and utilize an innovation.

The **actual system use** is the end-point where we need everybody to have the option to do with innovation, so we need to shape.**Behavioral Intention**, which is a factor that leads individuals to utilize the innovation. The **behavioral intention** (BI) is impacted by the **attitude** (A) which is the overall impression of the innovation.

The model proposes that when clients are given another innovation, various elements impact their choice about how and when they will utilize it, remarkably:

- **Perceived usefulness** (PU) – This was defined by Fred Davis as "the degree to which a person believes that using a particular system would enhance his or her job performance". It implies whether somebody sees that innovation to be valuable for what they need to do.

- **Perceived ease-of-use** (PEOU) – Davis defined this as "the degree to which a person believes that using a particular system would be free from effort" (Davis 1989). On the off chance that the innovation is not difficult to utilize, the hindrances won. In the event that it is difficult to utilize and the interface is convoluted, nobody has uplifting mentalities towards it.

- **External variables** for example, social impact are a significant factor to decide the demeanor. At the point when these things (TAM) are set up, individuals will have the disposition and goal to utilize the innovation. Be that as it may, the discernment may change contingent upon age and sexual orientation since everybody is extraordinary.

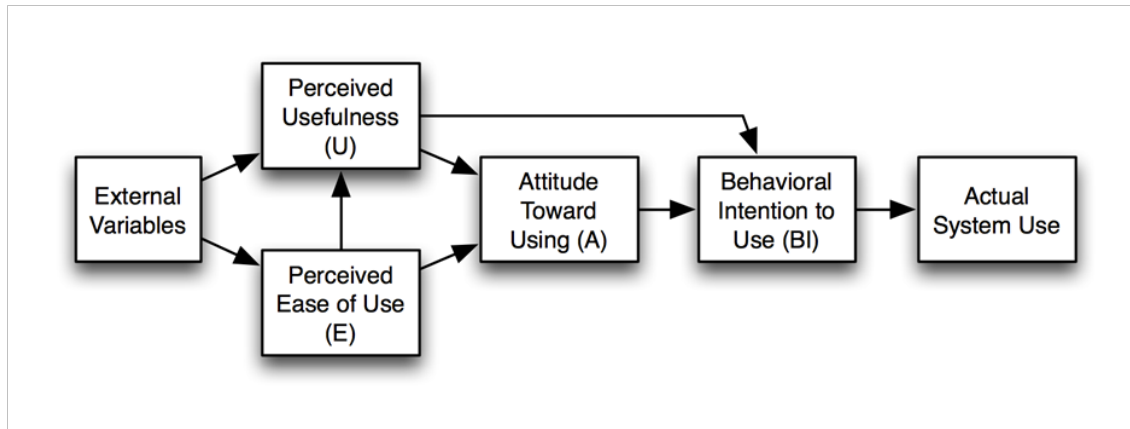The principal scheme of the original TAM is shown in Figure 1.

Figure 1: The Technology Acceptance Model version 1.

Source:Davis, Bagozzi&Warshaw 1989

2.0 LITERATURE REVIEW

Exact investigation of Pinho&Soares (2011)show that SN are generally simple to utilize, asrespondents immediately become adept at utilizing these advancements, discovering them very adaptable to interactwith. Consequently, the creators affirm the logical force of TAM in theadoption of SN. Discoveries of Rauniar etal. (2014) recommend that utilitarian directions of saw convenience and TW of a web-based media webpage are importantdeterminants of a client's IU the web-based media, which thus, is the pointer of the actualusage conduct of web-based media. In light of the TAM model, their investigation approves theattitude-expectation conduct relationship with regards to the web-based media website Facebook.Further, they have likewise investigated and added extra significant develops CM, social media CPs, and PP, to make the TAM model more significant in the setting ofunderstanding the acknowledgment and use of online media.The observational discoveries of Labib&Mostafa(2015)show that the understudies who see SNs as helpful and agreeable have uplifting mentality towards them, suggesting the viability of TAM in clarifying understudies' perspectives towards SNs. The outcomes additionally show that Facebook and YouTube are the right now favored SNs for both undergrad and postgraduate understudies. The two locales are broadly utilized for diversion and mingling, and substantially less incessant for learning and instructive purposes among postgraduate understudies explicitly.Paper of Paluri&Mehra (2015)inspects the materialness of TAM with regards to e-learning among the college understudies in India.They found that 1 perceived ease of use significantly affects apparent value, demeanor, conduct goal and genuine utilization of e-learning.2 perceived usefulness significantly affects demeanor, conduct goal and genuine use. 3 attitude has a huge impact on goal to utilize. 4 behavioural intention to use affects genuine utilization of e-learning.The investigation of Waleed Al-Ghaith(2015) discoveries show that"Perceived Social Capital" develops quite affects utilization conduct; this effect came indirectlythrough its immediate impact on "Disposition" and "Saw Usefulness". Interest of "Saw SocialCapital" in the models' informative force was the third most noteworthy among thedevelops. "Seen SocialCapital", alone clarify around 9% of SNSs use conduct.Zuhal Hussein (2016)investigated to break

down the relationship of college understudies' goal to utilize e-learning with three forerunners incorporate mentality, seen helpfulness and saw simplicity of use.A shock finding of this examination show that apparent convenience and saw handiness were not huge indicators in affecting the goal to utilization of E-learning. This can be because of most of the understudies previously had an information about the E-learning and they feel that the innovation is helpful and made them happy with the innovation.

The discoveries of Dumpit& Fernandez (2017), however starter, propose that private HEIs should start or proceed with the utilization of web-based media in homerooms, since goal to utilize means genuine utilization of these devices. Public organizations, in any case, ought to improve Internet dependability and speed and ought to reconsider their utilization of online media to completely exploit the advantages of ICT.Dixit&Prakash (2018) found that the TAM fits with the information to decipher and dissect expectations to utilize SNS in the objective populace. Outcomes of Latif etal. (2018)recommended that there exist a huge intervention impacts on therelationship between online media utilization measurements and scholarly execution. The studyrecommends a reasonable versatile learning procedures, rules and approaches for coordinating understudy exercises on socialmedia into their last grades.Weng etal. (2018) tracked down that the convenience of the mixed media material would improve the goal to utilize. The demeanor toward use additionally impacts the goal to utilize. Discoveries of Weerasinghe&Hindagolla(2018)delineated that the TAM has been effectively applied through its augmentation and alteration for clarifying client selection and acknowledgment of SNS.The discoveries of Abbaset al. (2019)uncovered that theusage of web-based media in Pakistan impacts an understudy's conduct as thought about topositive perspectives. Results may not be summed up to the whole understudy local area as discoveries are specificto the particular respondents as it were. This examination presents a connection among contradictory and creativecharacteristics of socialmedia and displays roads for future investigations by working with a superior understandingof electronic informal community use.Results of Aburagaga etal. (2020)show that security, institutional help, seen value and saw usability supposedly had a critical impact on social expectation. Furthermore, saw convenience and conduct aim contributed altogether towards the real use of interpersonal organizations. The outcomes likewise show that personnel and instructive partners have not sufficiently given to establishments or energized the utilization of interpersonal organizations inside the setting of instructive foundations across Libya.

3.0 HYPOTHESES

H1. The Perceived Ease of Use (PEOU) of Social Networking Sites has significant impacton Perceived Usefulness (PU) of Social Networking Sites by academicians.

H2. The Perceived Ease of Use (PEOU) of Social Networking Sites has significant impact on Attitude towards using (ATU) Social Networking Sites by academicians.

H3. The Perceived Usefulness (PU) of Social Networking Sites has significant impact on Attitude towards using (ATU) using Social Networking Sites by academicians.

H4. The Perceived Ease of Use (PEOU) of Social Networking Sites has significant impacton Actual System Use (ASU) of Social Networking Sites by academicians

H5.The Perceived Usefulness (PU) of Social Networking Sites has significant impact on Actual System Use (ASU) of Social Networking Sites.

H6. Attitude towards using(ATU) Social Networking Sites has significant impact on Actual System Use (ASU) of Social Networking Sites by academicians.

4.0 RESEARCH METHODOLOGY

4.1 Data Collection

An example looks at a part of the objective populace which addresses that populace. Straightforward irregular testing method has been utilized in get-together the important measurements from the objective populace. In this examination, the academicians in chose proficient schools in and around Pune city like Engineering, MCA, MBA, Architecture, Pharmacy, LAW, and B.Ed. Universities are considered for the investigation.

The survey was shipped off every one of the universities through E-sends .The analyst followed this up with successive calls and individual visits for acquiring most extreme number of filled polls. 501 filled surveys got from academicians of expert schools which comprise the example for the current examination.

4.2 Research Model Description

The measurement items for TAM structure (perceived usefulness, perceived ease of use,attitude towards usingand actual system use) as shown in Table 1 used for the purpose of this studycomprised of 41 items. The model comprised of 17 items measured on a five-pointLikert like scale, with the anchoring points ranging from 1 for strongly disagree to 5 forstrongly agree. 23 items were coded as 1 for very Dissatisfactory to 1 for Highly Satisfactory.1 item is coded as 1 for Yes and 2 for No. Last 8 Items measured the actual usage of Social Networking Sites by the respondent. 15items measuring perceived usefulness and 16 items measuring perceived ease of usewere adapted from the scale developed by Davis et al. (1989). Item for measuringattitude towards usingSocial Networking Sites and actualsystem of   use Social Networking Sites were adapted from Agarwaland Prasad (1999) and Venkatesh et al. (2003). Respondent scores for each of the factorwere arrived at by calculating the respective mean scores of items identified for eachfactor.
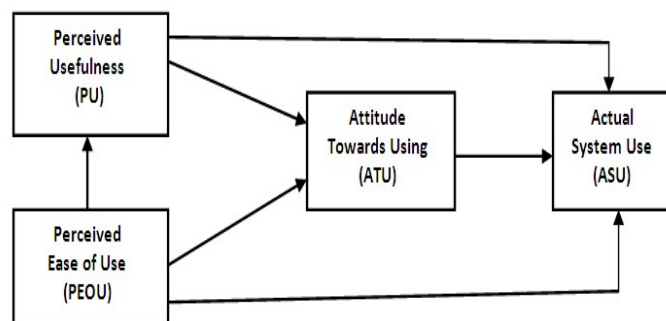

Figure 2:Research Model

5.0 DATA ANALYSIS

5.1 Summary Statistics

Outline measurements and recurrence appropriations were determined for every one of the 41 things of the build as demonstrated in Table 1. Means for the things range somewhere in the range of 1.248 and 4.277 furthermore, standard deviations of things are less than 1.551.

Table 1: Summary statistics

Item Description		Mean	Std. Deviation
Perceived usefulness (PU)			
PU1	Use of Social Networking Sites for Professional development.	4.156	1.024
PU2	Social Networking Sites are useful for Sharing Ideas and Information to others.	3.305	1.551
PU3	Social Networking Sites are useful in having a Partnership with other Colleges	4.045	1.051
PU4	Social Networking Sites increase the access to Resources.	3.938	1.062
PU5	Through Social Networking Sites there can be easy Communication with Educators	3.959	1.016
PU6	Social Networking Sites are useful in Communicating with Students and Parents	3.872	1.179
PU7	I am using Social Networking Sites prove useful in Communication with Alumni.	3.696	1.295
PU8	Social Networking Sites are useful for publishing material.	3.545	1.316
PU9	Social Networking Sites are helpful for finding and sharing relevant material.	3.768	1.136
PU10	Social Networking Sites are useful in Expressing creativity.	4.239	0.906
PU11	Usage of Social Networking Sites in Gaining knowledge.	4.194	0.941
PU12	Use of Social Networking Sites to get all news updates.	4.149	0.976
PU13	Social Networking Sites are useful for Collective thinking.	4.325	0.919
PU14	Use of Social Networking Sites to get UP-TO-DATE Career Information.	4.256	0.860
PU15	Social Networking Sites are useful for getting Command over language.	4.277	0.816
Perceived ease of use (PEOU)			
PEOU1	I am using for Personal use.	3.774	0.934
PEOU2	I am using for Chatting with new people.	2.878	1.242
PEOU3	I am using for searching forthcoming events.	3.754	0.914
PEOU4	I am using for Publishing material.	3.768	1.016
PEOU5	I am using to Express creativity.	3.726	0.949
PEOU6	I am using for Entertainment.	3.666	1.151
PEOU7	I am using for Downloading music and Video.	3.478	1.235
PEOU8	I am using for Sharing personal/public photos and videos.	3.294	1.260
PEOU9	I am using for Participating in Discussions.	3.536	1.019
PEOU10	I am using for building networking with Academicians	3.890	0.901
PEOU11	I am using for interacting with subject experts and faculty members	3.984	0.926
PEOU12	I am using for preparing Assignments and Projects	3.850	1.091
PEOU13	I am using to get information of my subject.	4.082	0.964
PEOU14	I am using for Sharing Academic materials, Academic recourses, Academic evaluation among faculties	3.966	0.987
PEOU15	I am using for Sharing information regarding Seminar/Workshop/ Curriculum vitae	4.078	0.818
PEOU16	I am using for sharing Teaching Notes, Class slides among Students.	4.012	0.941
Attitude towards using (ATU)			
ATU1	Social Network Sites have had an effect on my grades or Performance	1.248	0.432
ATU2	I am satisfied with the performance of Social Network Sites in my academic career	3.882	1.114
Actual System use (ASU)			
ASU1	Use of Social Networking Sites have an impact on result	3.382	0.891
ASU2	Students Satisfaction level increased through feedback.	3.790	0.712

ASU3	By use of Social Networking Sites opportunities of placement of the students in core companies increased.	3.708	0.849
ASU4	FDP, QIP, Workshop, Seminar, Conference, training courses attended are increased by using Social Networking Sites.	3.914	0.759
ASU5	Participation in research increased due to SNS	3.858	0.784
ASU6	Number of Paper presented or published increased due to use of Social Networking Sites.	3.784	0.807
ASU7	Research Project improved by using Social Networking Sites	3.830	0.819
ASU8	Knowledge of faculty to research guidance improved due to use of SNS	3.820	0.815

5.2 Reliability Statistics

Cronbach alpha which estimates the inward consistency of the scale was determined foreach of the factor as demonstrated in Table 3.Internal consistency estimates the between relatedness of the things utilized in the test. Konting et al. (2009) prescribed Cronbach's alpha qualities from 0.81 to 0.90 as the constraint of Good and 0.91 to 1.00 as the restriction of Excellent.

Table 2: Reliability statistics

Factor	*Cronbach's alpha*
Perceived ease of use (PEOU)	0.858
Perceived usefulness (PU)	0.912
Actual System use(ASU)	0.896

5.3 Hypotheses Testing

Six hypotheses were planned dependent on the underlying TAM model created by Daviset al. (1989). Every theory was tried for importance dependent on the regressionstatistics. Table 3 presents the rundown of the relapse information for every theory. Bigger beta qualities were noticed for bigger t-values and more modest p-values across all hypotheses.A itemized conversation on every one of the theory follows.

Table 3: Regression statistics for the hypotheses

Hypothesis	Independent Variable	Dependent Variable	Un-standardized Coefficients		Standardized Coefficients	F	t	P	R²	Hypothesis Supported
			B	Std.error	Beta					
H1	PEOU	PU	0.550	0.031	0.617	306.508	17.507	0.000	0.381	Yes
H2	PEOU	ATU	0.016	0.005	0.145	10.251	3.202	0.001	0.021	Yes
H3	PU	ATU	0.009	0.006	0.074	2.668	1.636	0.102	0.006	Yes
H4	PEOU	ASU	0.249	0.021	0.474	144.304	12.013	0.000	0.223	Yes
H5	PU	ASU	0.283	0.023	0.479	148.449	12.184	0.000	0.229	Yes
H6	ASU	ATT	0.023	0.009	0.113	6.178	2.486	0.013	0.011	Yes

H1. The Perceived Ease of Use (PEOU) of Social Networking Sites has significant impact on Perceived Usefulness   (PU) of Social Networking Sites by academicians.

Regression analysis was directed for testing the first hypothesis where seen usability (PEOU) was a free factor while seen value (PU) was adependent factor. Regression examination gave a p-estimation of 0.000, which shows the presence of a critical connection between the components PEOU and PU and the t esteem was positive, demonstrating that the apparent handiness was fundamentally and relatively influenced by the apparent usability. The calculatedvalue of R2 for the regression condition was 0.318 showing that the indicator factor apparent convenience (PEOU) clarifies 31.8 % of saw helpfulness (PU), the needy factor. This is a general proportion of the strength of affiliation and doesn't mirror the degree to which a specific free factor is related with the needy factor. The beta coefficient is 0.617, which implies that while expanding the apparent convenience by one unit, the apparent value will increment by 0.617 units. Estimation of the F measurement ranges between zero to a subjectively enormous number. The estimation of F measurement for the regression model was 306.508, showing the meaning of the regression model.

H2. The Perceived Ease of Use (PEOU) of Social Networking Sites has significant impact on Attitude Towards Using (ATU) Social Networking Sites by academicians.

Consequences of the regression investigation for testing the second hypothesis with PEOU as a free factor and attitudes towards utilizing (ATU) as a reliant factor showed a significant relationship (p< 0.005) and t esteem was positive, demonstrating that the apparent Ease of Use was essentially and relatively influenced by the mentality towards Social Networking Sites. R2 for the regression condition was 0.021 showing the strength of relationship, all in all PEOU clarifies 2.1% of the factor disposition towards utilizing (ATU). The beta coefficient of 0.145 shows the degree to which the variable PEOU predicts demeanor towards utilizing Social Networking Sites (ATU). F measurement of 10.251 demonstrates the meaning of the regression model.

H3. The Perceived Usefulness (PU) of Social Networking Sites has significant impact on Attitudetowards using (ATU) using Social Networking Sites by academicians.

Consequences of the regression examination for testing the third hypothesis with PU as an autonomous factor and disposition towards utilizing (ATU) as a reliant factor showed a critical relationship (p< 0.5) and t esteem was positive, demonstrating that the apparent helpfulness was fundamentally and relatively influenced by the demeanor towards utilizing Social Networking Sites. R2 for the relapse condition was 0.006 showing the strength of relationship, as such PU clarifies 0.6% of the factor mentality towards utilizing (ATU). The beta coefficient of 0.074 demonstrates the degree to which the variable PU predicts mentality towards utilizing Social Networking Sites (ATU). F measurement of 2.668 demonstrates the meaning of the regression model.

H4. The Perceived Ease of Use (PEOU) of Social Networking Sites has significant impact on Actual System Use (ASU) of Social Networking Sites by academicians.

Regression examination was directed to test this hypothesis, where the apparent usability (PEOU) was an indicator factor and genuine framework use (ASU) was the needy factor. Huge relationship was seen between the two factors (p = 0.000 and t = 12.013). The Beta coefficient of 0.474 which implies that while expanding the apparent usability by one unit, the genuine framework use will increment by 0.474 units. The factor PEOU clarified 22.3% of the factor ASU. The regression model was seen to be critical (F = 144.304).

H5.The Perceived Usefulness (PU) of Social Networking Sites has significant impact on Actual System Use (ASU) of Social Networking Sites.

Seen value (PU) was taken as a free factor, while Actual System Use (ASU) was taken as a reliant factor for testing this speculation utilizing regression examination. Results uncovered a huge connection between both the components (p = 0.000and t = 12.184). The factor PU clarified 22.9% of the factor ASU. Beta coefficient 0.479 demonstrates the capacity of the factor PU to anticipate the factor ASU. F-statistic (148.449) for the relapse model shows that the model is huge.

H6. Actual System Use (ASU) of Social Networking Sites has significant impact on Attitude towards using (ATU) Social Networking Sites by academicians.

A significant relationship was seen on the use of direct regression on the factor Actual System Use (ASU) as a free factor and the attitudes towards utilizing (ATU) as a needy factor (p < 0.01 and t = 2.486).

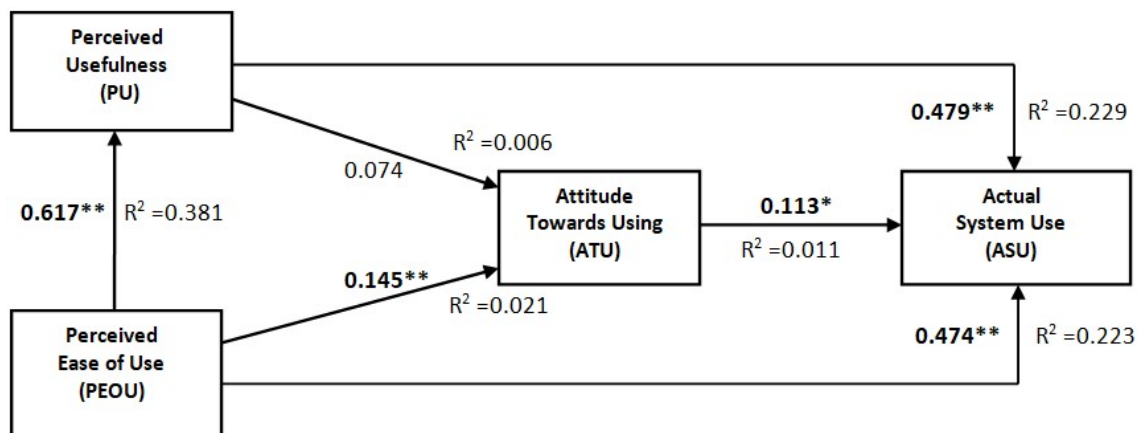Summarizing over all consequences of theory, the outcomes were demonstrated in figure 3

Figure 3: Summary of the regression analysis;**indicates1%levelof significance ;*denotes5% level of significance

FINDINGS

Findings from analysis can be summarized as –

- Perceived ease of use fundamentally affects apparent handiness, mentality towards utilizing, and real framework utilization of Social Networking Sites.
- Perceived usefulness significantly affects demeanor, and genuine framework utilization of Social Networking Sites.
- Attitude towards utilizing significantly affects genuine framework utilization of Social Networking Sites.

Aftereffects of the current investigation show similitude's to concentrates by

1.Ronnie et al. (2011), who express that apparent convenience had a critical impact on the apparent convenience in their investigation on the e-portfolio framework.
2. Davis (1989) and Hu et al. (1999) who discovered apparent usability had a critical impact on mentality towards utilization.

CONCLUSION

There is huge relationship between saw usability of Social Networking Sites, seen helpfulness of Social Networking Sites, demeanor towards utilizing Social Networking Sites, and genuine framework utilization of Social Networking Sites.

REFERENCES

1. Agarwal, R. & Prasad J., (1999), "Are individual differences germane to the acceptance of new information technologies?" *Decision Sciences*, 30(2), pp.361–391.

2. Kulkarni, P.,Shankar,P.,Vijayanand, S.(2021)Usage, Utilization, Usefulness (U3 Model) And Challenges Faced In Social Networking Sites By Academicians,*International Journal of Information Science and Management,* 19(2),pp 137-155.

3. Kulkarni, P.,Shankar,P.,&Vijayanand,S. (2019). Impact of Social Networking Sites on Research Performance of Academicians - an Empirical Study with Reference to Pune Region. *Compliance Engineering Journal,* 108, pp 192-207.

4. Kulkarni,P.,&Shankar,P.,(2018). A Review on Use of Social Networking Sites by Academicians and Researchers. *IJCRT*,6, pp 1408-1412.

5. Davis,F.D.,(1989), "Perceived usefulness, perceived ease of use, and user acceptance ofinformation technology",*MIS Quarterly*, 13(3), pp.319–340.

6. Dixit R.V., &Gyan Prakash,(2018), "Intentions to Use Social Networking Sites (SNS) Using Technology Acceptance Model (TAM):An Empirical Study", *SAGE Publications*,22(1), pp. 65 - 79.

7. Duvince Z.D.& Cheryl Joy F.,(2017), "Analysis of the use of social media in Higher Education Institutions (HEIs) using the Technology Acceptance Model", *Dumpit and Fernandez International Journal of Educational Technology in Higher Education*, 14(5), pp.1-16.

8. Fumei W. , Rong-Jou Y. , Hann-Jang Ho & Hui-Mei Su,(2018), "A TAM-Based Study of the Attitude towards Use Intention of

Multimedia among School Teachers", *Appl. Syst. Innovation*, 1(36) pp. 1-9.

9. Hu, P.J., Chau, P.Y.K., Sheng, O.R.L. &Tam, K.Y.,(1999), "Examining the technology acceptance model using physician acceptance of telemedicine technology', *Journal of Management Information Systems*, 16(2), pp.91–112.

10. Ismail A., Mary A., & Islam E.,(2020),"Assessing Faculty's Use of Social Network Tools in Libyan Higher Education via a Technology Acceptance Model",*IEEE Access*,8, PP. 116415- 116430 .

11. Jaffar A., Jaffar A. , Mohammad N.& Shaher B.,(2019), "The Impact of Social Media on Learning Behavior for Sustainable Education: Evidence of Students from Selected Universities in Pakistan", *Sustainability* , 11, 1683, pp.1-23.

12. Jose C., Martins R.P.& Ana M.S.,(2011), "Examining the technology acceptance model in the adoption of social networks", *Journal of Research in Interactive Marketing,* 5(2/3), pp.116-129.

13. Latif A., Sikandar S.M., Abubakari S.M., Grace O.,& Sadia L.,(2018), "Using technology acceptance model to measure the use of social media for collaborative learning in ghana",*Journal of Technology andScience Education*, 8(4), pp.321–336.

14. Nevine M.L. Rasha H. A. Mostafa,(2015), "Determinants of Social Networks Usage in Collaborative Learning: Evidence from Egypt", *Procedia Computer Science 65,*PP 432-441.

15. Ratna P.A.& Saloni M.,(2015), "Exploring the acceptance for e-learning using technology acceptance model among university students in India", *Int. J. Process Management and Benchmarking,* 5(2) pp.194 - 210.

16. Ronnie, H.S., Deneen, C.C. & Eugenia, M.W.Ng.,(2011),"Analysis of the technology acceptance model in examining students' behavioural intention to use an e-portfolio system", *Australasian Journal of Educational Technology*, 27(4), pp.600–618.

17. Rauniar R.,Greg R., Jei Y.,& Ben J.,(2014),"Technology acceptance model (TAM) and social media usage: an empirical study on Facebook", *Journal of Enterprise Information Management*, 27(1) pp. 6 - 30.

18. Sureni W., Menaka C.,& Bandara H.,(2018),"Technology acceptance model and social network sites (SNS): a selected review of literature", *Global Knowledge, Memory and Communication*, 67(3), pp.142-153.

19. Venkatesh, V., Morris, M.G., Davis, F.D. & Davis, G.B.,(2003),"User acceptance of information technology: toward a unified view", *MIS Quarterly*, 27(3), pp.425–478.

20. Waleed Al-Ghaith,(2015),"Applying the technology acceptance model to understand social networking sites (sns) usage: impact of perceived social capital",*International Journal of Computer Science & Information Technology* (IJCSIT) ,7(4), pp.105-117.