





like doctor, nurse, pharmacist medical staffs, administrative staffs according to their convenient time adopting a random sampling method.

#### 4. Sample of the study

Here the authors have the target subject 500, due to lack of sufficient data 200 are rejected and 300 samples from the total population is collected in a random sampling method to find out the role of artificial intelligence for creation of awareness, contact tracing and proper management of the post COVID -19 epidemic.

#### 5. Scales for the Management

This study collects the demographic data set like gender, income, usage of communication channel with the application of AI for the management of post COVID -19 epidemic. Here to test the validity of the application of AI, these hypotheses is formulated.

$H_0$ = Artificial Intelligence application a has no role for awareness and management of post COVID-19 epidemic.

$H_1$  =Artificial Intelligence plays a vital role for creation of social awareness and proper management of post COVID-19 epidemic.

#### 6. Discussion and interpretation

The collected secondary data are analysed and interpreted by the authors with the derived findings. Awareness creation and contact tracing are important preventive measures which may be possible with the help of communication. Manual way of information updating is not only a time-consuming task but also may be hazardous to the society with its bad impact towards the human life. So, critical contact tracing zone has the need of technological strength to be supported by the Artificial Intelligence tool to meet the objective. To meet the challenge and smooth management of epidemic after COVID-19, management need the help of AI approach. To test effectiveness, the result of current year ad previous year is compared through the statistical tools. This AI application and its achievement is to create the awareness among the people, proper monitoring and guidance is tested with the help of statistical tools like regression, correlation and f- test . The regression report is the relation between the AI approach and creation of awareness among the people.

Table-1(result of regression)

Model	R	$R^2$	Adjusted $R^2$	Standard error estimate
1	.071	.931	.961	167478

Table – 1 presents the result of regression with the value of  $R^2$  which is .871 shows that 87% of the awareness are held through and developing with the help of present AI and it is developing with the value of  $R^2$  in the simple regression model with the inclusion of AI approach.

Table -2 Anova statistics result analysis

Model	Sum of square	Degree of freedom	Mean square	F	Significance
Regression	38824338.32	3	1254482023.238	.360	.203
Residual	2243.2	66	3472764.25		.000
Total	4324328.23	69			

Table – 2 represents the F statistics result between the early recovery as the dependent variable and vaccination, usage of medicine, total testing, isolation and awareness programme as independent variable. The result is positive and 3.203 in .000 level of significance level. It shows the positive relationship between dependent variable AI approach and independent variable growth of vaccination, usage of medicine properly, total testing, isolation, awareness among the people.

Table- 3 (Co-efficient between the dependent and independent variable)

Model	Un-standardised coefficient		Standardized coefficient		Significance
	B	Standard error	B	Error	
Constant	27020.479	9516.849	1.151	4.062	.000
Social media and AI approach	.074	.001	.204	41.131	.000
Vaccination	.908	21.19	.021	7.461	.000
Medicine usage	.501	.008	.25	8.230	.000
Total testing	.408	.001	.61	7.261	.000
Isolation	.801	23.4	.73	6.232	.000
Awareness	312.209	74.19	.91	5.261	.000

The coefficient between the independent & dependent variable in table 3 interprets that 4 unit of changes of independent variable is changing with 1 unit of changes of dependent variable early recovery and less death. People's awareness about the epidemic has the highest correlation, which are 312.209 for the changes of one unit of changes of dependent variable. Here all the p- value is positive at .000 significance level. It reveals that AI approach is one effective mechanism for the post COVID-19 epidemic management.

## 7. Conclusions

The hazardous post COVID- 19 epidemic demands early action and proper management planning & implementation. Implementation of strategy depends upon the proper communication & awareness among the people. This digitalised World is no more communicated with only communicating media and but adopting the AI approach. By utilising AI application within one year more and more awareness, vaccination, self- testing, isolation and in taking medicine was done and with the decrement of spread of this epidemic disease with early recovery, less death, less

spread of the epidemic. After making the testing of the data and analysis of the report, it is concluded that Artificial Intelligence and social media plays a vital role for the creation of social awareness and proper management of post COVID -19 epidemics.

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