



## Method of computing per day usage of library

**Percentage of per day usage of the library by teachers and students =**

Percentage per day physical usage of the library by teachers and students (**Footfalls**)

+

Percentage per day E-usage of the library by teachers and students (**Login data for online access**)

+

Percentage of per day Book Issues

**Procedure for Calculation of Foot Falls:**The library footfalls are recorded using a biometric punching system enabled with the software essl eTime Track Lite, version 11.1. The library walk-in's data are downloaded using the software from June 2020 to Nov 2021. During this period, college was open only for five months (Jan2021, Feb.2021, March 2021, Oct.2021 and Nov.2021) due to lockdown imposed in connection with the Covid-19 pandemic. The total footfalls of a month divided by the number of working days give the per day footfalls of that month. The total per-day footfalls of all the months divided by the number of months gives the average per day footfalls. The average per day footfalls divided by no. of teachers and students multiplied by 100 gives the percentage footfalls per day.


**Procedure for Calculation of Login data for online access:**The number of users using NLIST resources, by way of logins, from June 2020 to Nov 2021 is collected from the website of NLIST using admin privileges. NLIST provides month-wise logins data. The usage data of the library website is collected from the service provider of the cloud space, where the website is hosted. The total of NLIST logins and library website logins, calculated for each month, gives the number of logins for online access for that month. The result, when divided by the total number of days of a particular month, gives the perday online access of that month. The total of all these

figures divided by total number of months gives the average Logins for Online Access Per day. This figure divided by the number of teachers and students multiplied by 100 leads to the Percentage of online access per day.

**Procedure for Calculation of per day percent of book issues:** The library uses barcode technology for issuing books through integrated library Management software. The library book issue data are downloaded using the software from June 2020 to Nov 2021. During this period, college was open only for five months (Jan 2021, Feb. 2021, March 2021, Oct. 2021 and Nov. 2021) due to lockdown imposed in connection with the Covid-19 pandemic. The total book issues of a month divided by the number of working days give the per day issues of that month. The sum of the per day issues of all the months divided by number of months gives the average issue per day. This figure divided by the number of teachers and students multiplied by 100 gives the Percentage of per day book issues.

The detailed calculation is given below:

<b>Footfalls</b> (June 2020-Nov 2021) <b>A</b>	<b>Login data for Online Access</b> (June 2020-Nov 2021) <b>B</b>	<b>Book Issue</b> (June 2020-Nov 2021) <b>C</b>	<b>Usage of the library</b> (June 2020-Nov 2021) <b>A+B+C</b>
Physical Users per day= 45 Percentage per day Physical users= 20.09	Users online per day= 18 Percentage per day Login data for Online Access= 8.04	Users borrowing books per day= 16 Percentage of per day book issues= 7.14	Library Users per day= 79 Percentage of per day usage of the library = <b>35.27</b>

  
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## DETAILED CALCULATION OF LIBRARY USAGE FOR THE PERIOD JUN2020- NOV 2021

Month & Year	NLIST Logins (1)	Library Website Logins (2)	Days in a month for calculating Online Access (3)	Logins for Online Access per day {A=(1+2)/3}	Footfalls (Physical users) (4)	Days in a month for calculating Footfalls and Book Issues (6)	Footfalls Per day {B=4/6}	Book Issue (5)	Book Issue per day {C=5/6}
Jun20	6	880	30	29.53	Lockdown	0	Lockdown	Lockdown	Lockdown
Jul20	5	1010	31	32.74	Lockdown	0	Lockdown	Lockdown	Lockdown
Aug20	2	508	31	16.45	Lockdown	0	Lockdown	Lockdown	Lockdown
Sep20	3	222	30	7.50	Lockdown	0	Lockdown	Lockdown	Lockdown
Oct20	7	260	31	8.61	Lockdown	0	Lockdown	Lockdown	Lockdown
Nov20	7	300	30	10.23	Lockdown	0	Lockdown	Lockdown	Lockdown
Dec20	8	309	31	10.23	Lockdown	0	Lockdown	Lockdown	Lockdown
Jan21	11	364	31	12.10	552	11	50.18	289	26.27
Feb21	22	481	28	17.96	1371	22	62.32	371	16.86
Mar21	25	456	31	15.52	1008	25	40.32	459	18.36
Apr21	22	417	30	14.63	Lockdown	0	Lockdown	Lockdown	Lockdown
May21	22	409	31	13.90	Lockdown	0	Lockdown	Lockdown	Lockdown
Jun21	15	471	30	16.20	Lockdown	0	Lockdown	Lockdown	Lockdown
Jul21	143	494	31	20.55	Lockdown	0	Lockdown	Lockdown	Lockdown
Aug21	209	498	31	22.81	Lockdown	0	Lockdown	Lockdown	Lockdown
Sep21	151	457	30	20.27	Lockdown	0	Lockdown	Lockdown	Lockdown
Oct21	382	547	31	29.97	846	20	42.3	201	10.05
Nov21	67	494	30	18.70	689	24	28.7	220	9.17

Total Logins for Online Access Per day for 18 months	<b>317.90</b>	Total footfalls per day for 5 months	<b>223.82</b>	Total Daily Issue per day for 5 months	<b>80.71</b>
Average Logins for Online Access Per day	<b>17.66</b>	Average footfalls per day	<b>44.764</b>	Average Daily issue per day	<b>16.14</b>
Rounded (Average Logins for Online Access Per day)	<b>18.00</b>	Rounded (Average footfalls per day)	<b>45</b>	Rounded (Average Daily issue per day)	<b>16.00</b>
Percentage of Logins for Online Access per day	<b>8.04</b>	Percentage of footfalls per day	<b>20.09</b>	Percentage of Daily issue per day	<b>7.14</b>
Average Number of Users per day (Footfall+OnlineAccess+ Book Issue= 18+45+16)				79.00	
Student and teacher numbers				224	
PERCENTAGE OF LIBRARY USAGE PER DAY				<b>35.27</b>	

  
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