

BANGLADESH RESEARCH AND EDUCATION NETWORK

NOC MONTHLY REPORT

August 2022

Prepared by
BdREN NOC



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1. COORDINATION ISSUES

Processed 371 mail updates between BdREN NOC and member institution.

2. LINK AVAILABILITY

Table 1: Institution Wise Link Availability

Name of Institutes	Outage (in Minute)	Maintenance (Minute)	Availability (w/o Maintenance)	Availability (with Maintenance)
AUST	0	0	100.00%	100.00%
AUW	0	0	100.00%	100.00%
BoU	0	410	100.00%	99.08%
BRAC	0	0	100.00%	100.00%
BSMMU	0	0	100.00%	100.00%
BSMRAU	0	0	100.00%	100.00%
BUBT	0	0	100.00%	100.00%
BUET	0	0	100.00%	100.00%
BUP	0	0	100.00%	100.00%
BUTex	0	0	100.00%	100.00%
DU	0	0	100.00%	100.00%
MIU	0	0	100.00%	100.00%
DIU	870	0	98.05%	98.05%
DUET	0	0	100.00%	100.00%
EU	0	0	100.00%	100.00%
IUBAT	0	0	100.00%	100.00%
IUB	0	0	100.00%	100.00%
IUT	361	245	99.19%	98.64%
JnU	0	0	100.00%	100.00%
JU	0	0	100.00%	100.00%
MBSTU	0	0	100.00%	100.00%
NSU	0	0	100.00%	100.00%
NU	0	0	100.00%	100.00%
SBAU	0	0	100.00%	100.00%
CoU	0	0	100.00%	100.00%
CU	0	147	100.00%	99.67%
CUET	433	147	99.03%	98.70%
CVASU	0	147	100.00%	99.67%
NSTU	0	147	100.00%	99.67%
BSMRSTU	0	0	100.00%	100.00%
BU	0	0	100.00%	100.00%
JUST	0	0	100.00%	100.00%
PSTU	0	0	100.00%	100.00%
IU	0	0	100.00%	100.00%
KUET	0	0	100.00%	100.00%
KU	0	0	100.00%	100.00%
BRUR	0	0	100.00%	100.00%
HSTU	0	0	100.00%	100.00%
PUST	0	0	100.00%	100.00%
RUET	0	0	100.00%	100.00%
VU	0	0	100.00%	100.00%
RU	0	0	100.00%	100.00%
BAU	0	0	100.00%	100.00%
JKKNIU	241	0	99.46%	99.46%
SAU	0	0	100.00%	100.00%
SUST	0	0	100.00%	100.00%
LUS	544	0	98.78%	98.78%

Name of Institutes	Outage (in Minute)	Maintenance (Minute)	Availability (w/o Maintenance)	Availability (with Maintenance)
CMC	321	147	99.28%	98.95%
DDC	0	0	100.00%	100.00%
DMC	0	0	100.00%	100.00%
MAGOMC	0	0	100.00%	100.00%
MMC	0	0	100.00%	100.00%
RMC	0	0	100.00%	100.00%
RPMC	245	0	99.45%	99.45%
SBMC	0	0	100.00%	100.00%
SIRSMC	0	0	100.00%	100.00%
SSMC	0	0	100.00%	100.00%
SSKMC	0	0	100.00%	100.00%
BARD	0	0	100.00%	100.00%
BARI	714	0	98.40%	98.40%
BIDS	0	0	100.00%	100.00%
BJRI	0	0	100.00%	100.00%
BLRI	0	0	100.00%	100.00%
BRRI	0	0	100.00%	100.00%
DGHS	0	0	100.00%	100.00%
SPARRSO	0	0	100.00%	100.00%
BMD	0	0	100.00%	100.00%
NINMAS	0	0	100.00%	100.00%
BFRI	495	0	98.89%	98.89%
MIST	0	0	100.00%	100.00%
AUB	0	0	100.00%	100.00%
ICMAB	0	0	100.00%	100.00%
BDU	0	0	100.00%	100.00%
CCN	0	0	100.00%	100.00%

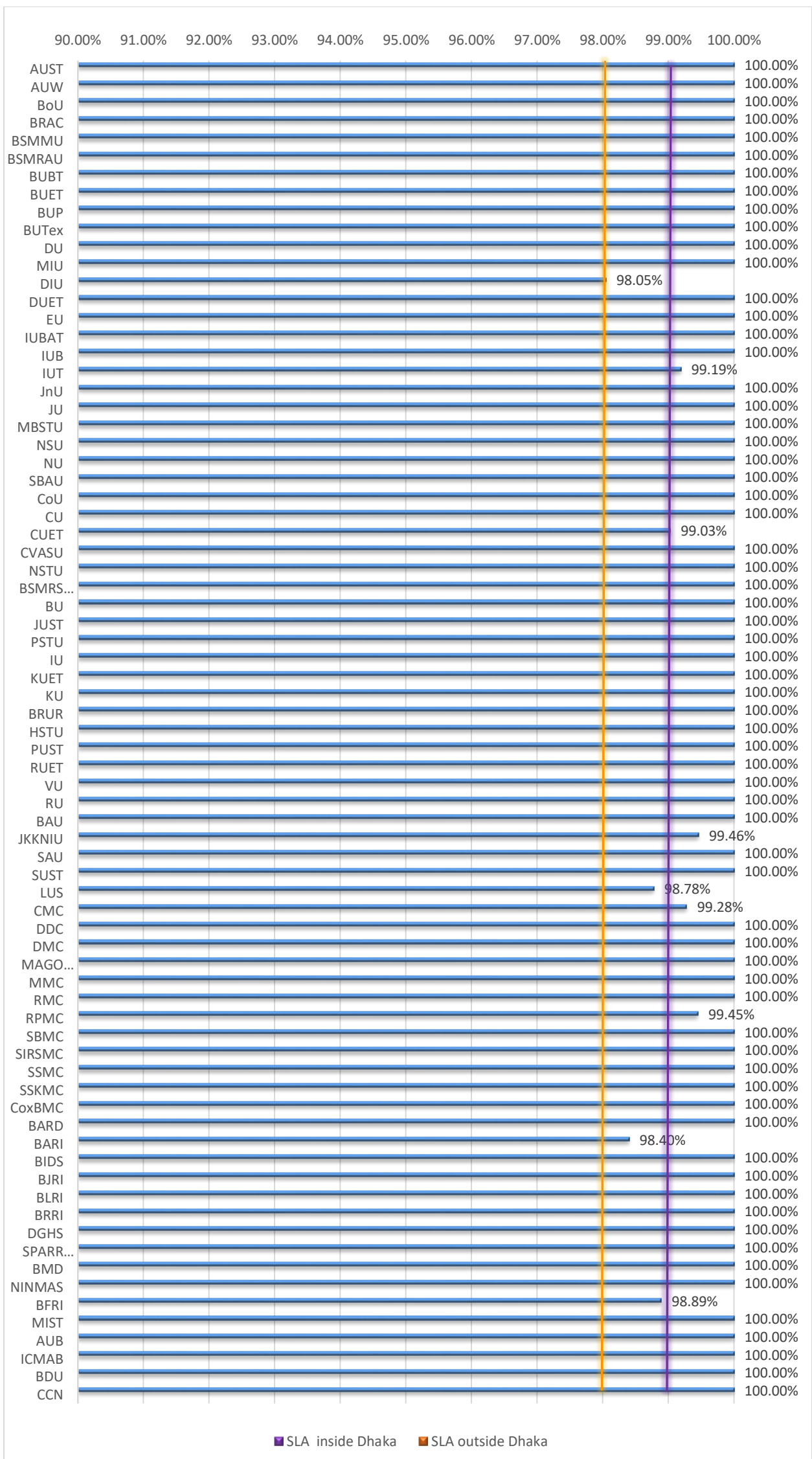


Figure 1: Institution Wise Link Availability considering "Planned Maintenance" as non-ou tage

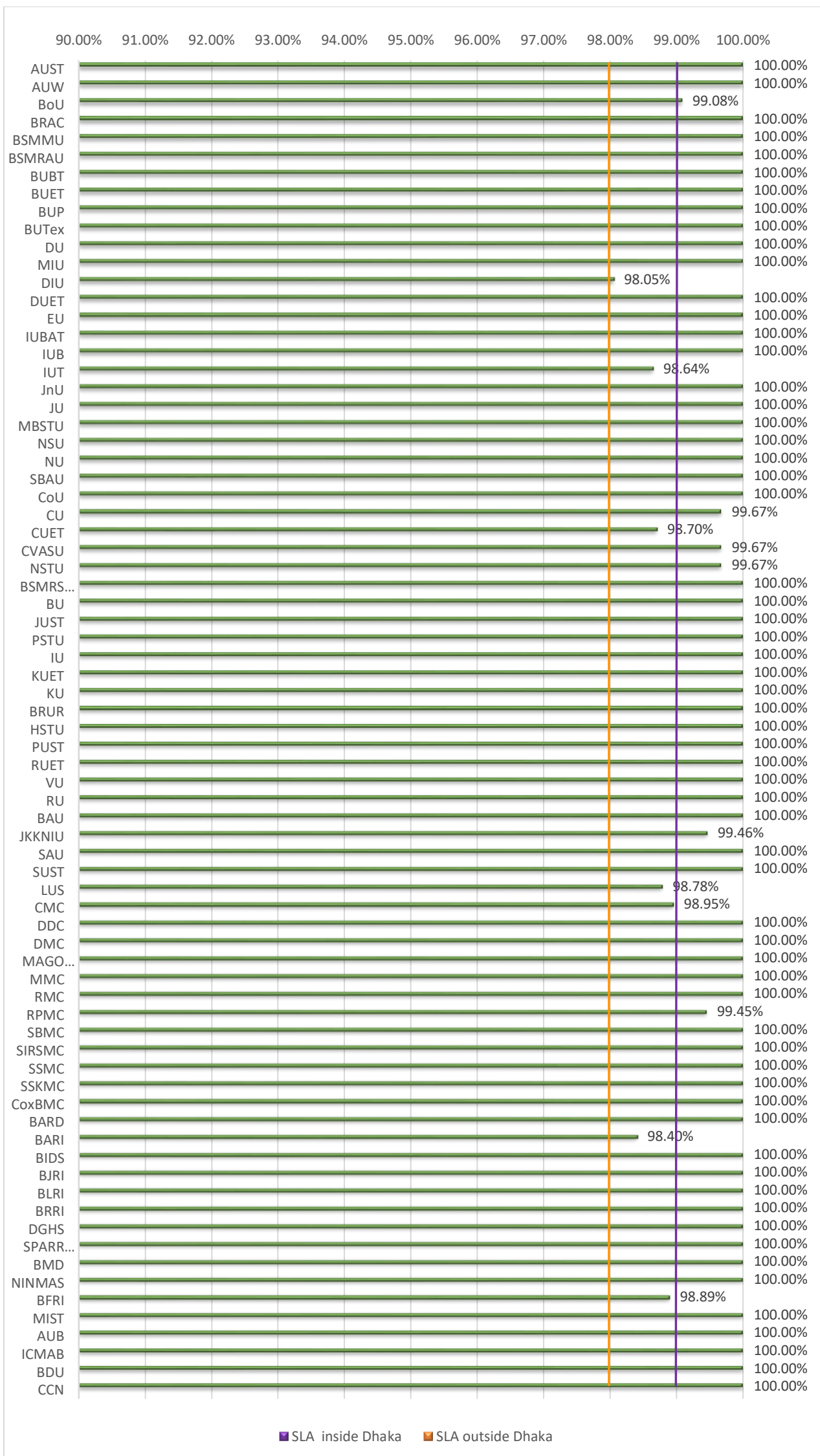


Figure 2: Institution Wise Link Availability considering "Planned Maintenance" as outage

3. MAJOR OUTAGE OF August 2022

- ❖ **Ticket#220815-0001**
 - Affected Member** : BFRI
 - Recovery Time** : 167
 - SLA Compliance** : fulfilled
 - Problem Details** : There was fiber cut issue near BFRI. The breakpoint was 1.2km away from BFRI. After restoring the fiber, the link was up.

- ❖ **Ticket# 220813-0001**
 - Affected Member** : BARI
 - Recovery Time** : 345
 - SLA Compliance** : Not Fulfilled
 - Problem Details** : Due road construction, fiber has been cut in front of BARI main gate. After restoring the fiber, the link was up.

- ❖ **Ticket# 220818-0002**
 - Affected Member** : IUT
 - Recovery Time** : 305
 - SLA Compliance** : Not Fulfilled
 - Problem Details** : There was a partial fiber break of One core at NU-DIST to IUT-EDGE Link. the link was up after shifting the link from dual core mode to single core mode.

- ❖ **Ticket# 220818-0002**
 - Affected Member** : DIU
 - Recovery Time** : 1346
 - SLA Compliance** : Not Fulfilled
 - Problem Details** : It was a fiber cut near Katabon at 7.7km (approx) from UGC. BdREN Technician Mr. Mamun restored the link.

- ❖ **Ticket# 220818-0002**
 - Affected Member** : JKKNIU
 - Recovery Time** : 296
 - SLA Compliance** : Not Fulfilled
 - Problem Details** : There was a fiber break near 2.7 km from Mymensingh Medical College. The link was up after restoring the fiber.

4. TRAFFIC STATISTICS

Table 2: Institution Wise Traffic Statistics

INSTITUTION	TOTAL TRAFFIC		AVERAGE BW		MAXIMUM BW	
	IN (TB)	OUT (TB)	IN (Mbps)	OUT(Mbps)	IN(Mbps)	OUT(Mbps)
BUET	421.44	64.1	1358.11	191.59	1735.69	363.96
DU	326.7	32.28	975.81	96.41	1870	226.55
IU	193.55	14.1	578.09	42.11	964.81	144.63
PSTU	160.22	14.42	478.56	43.08	843.32	106.15
CU	148.66	13.43	445.22	40.21	727.87	120.75
RU	111.64	12.79	333.45	38.19	841.26	107.34
BAU	398.86	28.82	1190	86.07	1950	146.21
JUST	66.45	5.94	198.47	17.74	476.1	114.41
KUET	228.52	28.41	682.57	84.86	1150	162.81
SUST	174.74	24.04	521.91	71.82	929.6	194.41
RUET	144.12	22.52	430.48	67.27	842.25	168.79

INSTITUTION	TOTAL TRAFFIC		AVERAGE BW		MAXIMUM BW	
	IN (TB)	OUT (TB)	IN (Mbps)	OUT(Mbps)	IN(Mbps)	OUT(Mbps)
SBAU	52.43	4.14	156.61	12.37	330.54	49.78
JnU	60.55	5.12	181.35	15.34	420.36	69.16
BSMMU	33.07	2.93	98.78	8.75	326.27	35.4
BUTex	29.28	2.11	87.46	6.3	193.91	24.21
JU	95.25	8.79	285.25	26.33	593.91	64.57
IUB	0.572	0.061	1.71	0.182	20.88	4.51
JKKNIU	28.5	1.93	85.69	5.8	218.97	35.39
DUET	94.56	9.39	282.43	28.03	555.12	138.81
MBSTU	50.79	4.47	151.71	13.37	337.15	155.5
IUT	65.97	10.93	198.64	32.91	614.2	125.73
BSMRAU	98.83	6.54	295.18	19.53	555	72.86
BOU	20.89	6.67	62.73	20.03	256.92	51.05
SAU	14.3	1.33	42.7	3.97	113.59	86.86
PUST	33.04	2.96	98.69	8.84	236.39	50.23
HSTU	10.78	0.778	32.2	2.32	129.14	11.76
BRUR	57.44	4.48	171.58	13.38	407.85	36.7
BSMRSTU	27.75	2.23	82.89	6.66	217.34	23.58
KU	28.11	3.11	83.96	9.3	314.15	63.35
CoU	53.12	4.13	158.66	12.34	393.87	47.58
CUET	206.4	20.9	644.21	65.23	1050	122.48
CVASU	64.16	4.91	192.14	14.71	341.23	51.42
EU	8.33	1.45	21.06	3.7	160.13	37.02
NSU	0.05	0	0.16	0.03	5.93	0.88
BU	72.18	5.66	215.58	16.92	384.58	61.47
BUP	71.76	9.84	214.34	29.38	493.11	122.31
NU	11.32	13.36	33.83	39.91	140.97	87.43
BRAC	0	0	0	0	0	0
DIU	21.55	396.55	64.88	1190	438.68	2680
VU	1.38	0.09	4.36	0.28	28.45	2.51
AUST	2.88	0.35	9.03	1.08	62.73	16.81
NSTU	31.55	2.57	98.32	8	261.95	30.81
BFRI	2.44	0.14	7.49	0.42	23.09	2.18
BLRI	9.27	0.71	28.78	2.23	89.31	8.8
BRRI	10.52	0.86	32.63	2.67	151.36	16.39
BARI	8.25	0.85	26.61	2.73	185.76	24.31
MIST	9.56	1.21	29.49	3.73	84.04	22.44
EWU	0	0	0	0	0	0
ICMAB	1.93	0.71	5.75	2.11	25.96	59.85
AUB	5.213	3.236	15.06	8.46	65.97	79.92
LU	5.27	0.858	11.7	1.82	112.86	21.85
BDU-Dhaka	1.19	0.24	2.67	0.72	51.81	0.06
BDU-Kalikor	13.02	1.54	38.88	4.6	111.29	34.26
IUBAT	4.43	0.49	13.26	1.49	72.89	28.37
BUBT	1.19	0.16	5.69	0.46	48.17	17.37
BSMRAAU	1.33	0.13	3.98	0.39	21.99	4.82
BSMRAAU Lalmonirhat	5.72	0.43	1.28	17.07	12.64	123.42
BJRI	0	0	0	0	0	0
CCN	2.73	0.27	8.15	0.81	34.86	10.09

5. TOTAL TRAFFIC

Table 3: Total Traffic (used by clients)

Total Download	3803.75 TB
Total Upload	810.47 TB

6. ONLINE EDUCATION

6.1 Institution Wise vSession Usage Statistics

Table 4: Institution Wise vSession Zoom Usage Statistics

Name of Institute	Total Meetings	Total hours	Total Participants
University of Rajshahi (RU)	235	248:59:02	6214
Comilla University (CoU)	336	403:17:59	16931
Bangladesh University of Engineering & Technology (BUET)	59	74:53:01	1201
National Institute of Textile Engineering and Research	47	41:12:00	637
Noakhali Science and Technology University (NSTU)	361	350:04:59	13519
Jagannath University (JnU)	843	968:17:03	54567
Bangladesh Open University (BOU)	206	333:10:01	6515
University of Dhaka (DU)	478	537:51:01	25036
Jashore University of Science and Technology (JUST)	286	254:37:03	4951
Jahangirnagar University (JU)	443	509:03:58	15677
BSMRSTU	308	320:48:01	28762
Khulna University (KU)	123	114:56:59	3591
Islamic University, Bangladesh (IU)	114	147:01:00	5067
Bangladesh Agricultural University (BAU)	251	264:58:06	15582
University of Barisal (BU)	124	142:11:00	6613
Hajee Mohammad Danesh Science & Technology University	224	245:10:00	18307
University of Chittagong (CU)	356	407:44:57	17681
Begum Rokeya University, Rangpur (BRUR)	101	128:33:01	4362
Bangladesh University of Textiles (BUTEX)	86	96:00:58	5559
Bangabandhu Sheikh Mujib Medical University (BSMMU)	45	78:47:00	1219
Bangabandhu Sheikh Mujibur Rahman Agricultural University	43	50:28:00	735
Chittagong University of Engineering & Technology (CUET)	15	15:03:00	599
Eden Mohila College	124	102:49:00	8646
Islamic University of Technology (IUT)	119	118:51:00	3825
Pabna University of Science and Technology (PUST)	58	59:08:00	2910
Lalmatia Mohila College	30	31:30:00	242
Sher-e-Bangla Agricultural University (SBAU)	57	61:23:00	1250
BSFMSTU	16	18:15:00	394
Shahjalal University of Science and Technology (SUST)	43	50:30:00	1745
Rangamati Science and Technology University (RMSTU)	24	23:45:00	468
Mawlana Bhashani Science and Technology University	140	148:22:00	3418
Military Institute of Science and Technology (MIST)	59	100:41:00	663
Dhaka University of Engineering & Technology (DUET)	8	10:05:00	92
Sylhet Agricultural University (SAU)	6	7:42:59	347
Khulna University of Engineering & Technology (KUET)	13	18:18:00	158
Rajshahi University of Engineering & Technology (RUET)	5	4:37:00	42
Jatiya Kabi Kazi Nazrul Islam University (JKKNIU)	26	30:56:00	866
Bangabandhu Sheikh Mujibur Rahman Maritime University	35	44:30:59	672

Name of Institute	Total Meetings	Total hours	Total Participants
Bangladesh University of Professionals (BUP)	38	40:38:59	811
Mymensingh Engineering College	4	3:31:00	134
Patuakhali Science and Technology University (PSTU)	40	48:15:00	1912
Khulna Agricultural University (KAU)	8	7:30:00	140
Comilla Victoria Government College	14	19:09:00	256
Textile Engineering College, Chattogram (TEC)	5	7:07:00	217
National University (NU)	37	51:37:59	1173
BSMRAAU	9	18:59:00	80
Chittagong Veterinary and Animal Sciences University (CVASU)	28	38:20:00	711
Bangabandhu Digital University (BDU)	7	5:40:00	231
Sheikh Hasina University (SHU)	18	20:43:00	751
Rabindra University, Bangladesh (RUB)	1	0:25:00	5
Faridpur Engineering College, Faridpur	2	2:05:00	48
Shahid Abdur Rab Serniabat Textile Engineering College	1	0:27:00	3
IUBAT	29	48:47:00	996
Shanto-Mariam University of Creative Technology	1163	1374:49:01	37068
Sonargaon University (SU)	57	75:59:01	2803
Bangladesh Army International University of Science and Tech	110	115:07:59	2653
Stamford University Bangladesh	511	692:51:03	13978
Znrf University of Management science	29	61:06:00	1106
European University of Bangladesh	41	34:00:59	699
Bangladesh Army University of Science and Technology	154	213:08:00	3258
University of Liberal Arts Bangladesh (ULAB)	27	35:19:01	658
Presidency University	82	117:28:01	2726
Adamjee Cantonment College	12	10:36:00	104
Leading University, Sylhet	323	353:03:01	9209
City University	139	185:26:00	2023
Green University of Bangladesh	1445	1733:18:58	55352
Dhaka International University (DIU)	129	129:47:59	3410
Feni University	61	58:20:00	661
Ahsanullah University of Science and Technology (AUST)	396	473:58:59	16947
International Islamic University Chittagong (IIUC)	699	742:29:02	22503
University of Asia Pacific	209	263:15:01	7334
Primeasia University	126	119:25:02	2959
Bangladesh University of Health Sciences	121	153:50:02	3019
The International University of Scholars	26	25:30:00	1570
Port City International University	59	68:20:00	990
BRAC University	98	117:24:01	3296
Bangladesh International School & College (BISC)	24	31:30:59	285
North South University	37	43:50:00	333
Prime University	31	27:57:00	460
BGMEA University of Fashion & Technology	44	48:57:00	1551
Asian University of Bangladesh (AUB)	71	73:47:00	862
Eastern University	126	141:11:02	2921
CCN University of Science & Technology, Cumilla	40	35:36:59	647
Atish Dipankar University of Science and Technology	44	41:18:00	1347
State University of Bangladesh	107	183:46:59	2948
United International University (UIU)	9	8:57:00	225
Gono Bishwabidyalay	33	41:34:01	926
University of South Asia	32	43:17:00	2128
Bangladesh University	8	7:58:00	41
BGC Trust University Bangladesh	35	49:19:00	895

Name of Institute	Total Meetings	Total hours	Total Participants
Southeast University	21	30:55:00	392
Manarat International University	154	188:50:00	6645
Canadian University of Bangladesh	90	82:18:00	1102
Northern University of Business & Technology Khulna	46	46:25:00	590
University of Science and Technology Chittagong (USTC)	47	70:19:59	1247
Daffodil International University	43	56:18:00	2114
North East University Bangladesh	53	41:44:58	581
Rabindra Maitree University	13	12:42:00	131
Premier University, Chittagong	77	76:43:00	1428
Bangladesh Islami University (BIU)	17	23:00:01	321
University of Information Technology and Sciences (UITS)	17	25:39:59	127
Savar Cantonment Public School & College (SCPSC)	6	2:52:00	46
North Western University (Khulna)	26	18:32:00	342
International Standard University (ISU)	36	57:30:59	950
Notre Dame University Bangladesh	10	13:05:00	132
Pundra University of Science & Technology	15	24:02:00	115
East West University (EWU)	2	2:10:00	51
Bangladesh Army University of Engineering and Technology	12	9:55:00	250
Fareast International University (FIU)	7	7:10:00	105
Chittagong Independent University (CIU)	4	4:41:00	91
Varendra University	2	1:36:00	11
ASA University Bangladesh	1	3:17:00	24
Exim Bank Agricultural University Bangladesh	1	2:11:00	78
Bangladesh Institute of Management (BIM)	70	172:44:00	3323
Government Organization	33	52:45:59	1557
Bangladesh Research and Education Network (BdREN)	2	4:52:00	62
Bangladesh Academy for Securities Markets - BASM	25	57:20:00	58
Ministry of Education	6	13:32:00	1037
Shaikh Burhanuddin Post Graduate College	13	16:34:00	169
Sylhet Engineering College (SEC)	20	19:50:00	404
Bangladesh Institute of Capital Market (BICM)	10	22:35:00	1014
Institute of Chartered Secretaries of Bangladesh (ICSB)	20	53:44:00	1632
Bangabangdhu Textile Engineering College	1	0:56:00	21
BANBEIS	2	2:35:00	225
TMSS Medical College	24	38:27:59	1662
Dhaka Medical College	33	37:03:00	1759
Holy Family Red Crescent Medical College	4	1:46:00	12
Faridpur Medical College	16	18:42:00	657
Ibrahim Medical College, Dhaka	9	10:53:00	133
North East Medical College (NEMC)	1	2:48:00	6
Rajshahi Medical University	1	1:06:00	8
Bangladesh Institute of Nuclear Agriculture (BINA)	7	11:13:00	333
Grand Total	13743	16152:45:10	527371

6.2 Institution Wise vSession Usage Graph



Figure 3: Public University & Colleges vSession Usage Graph

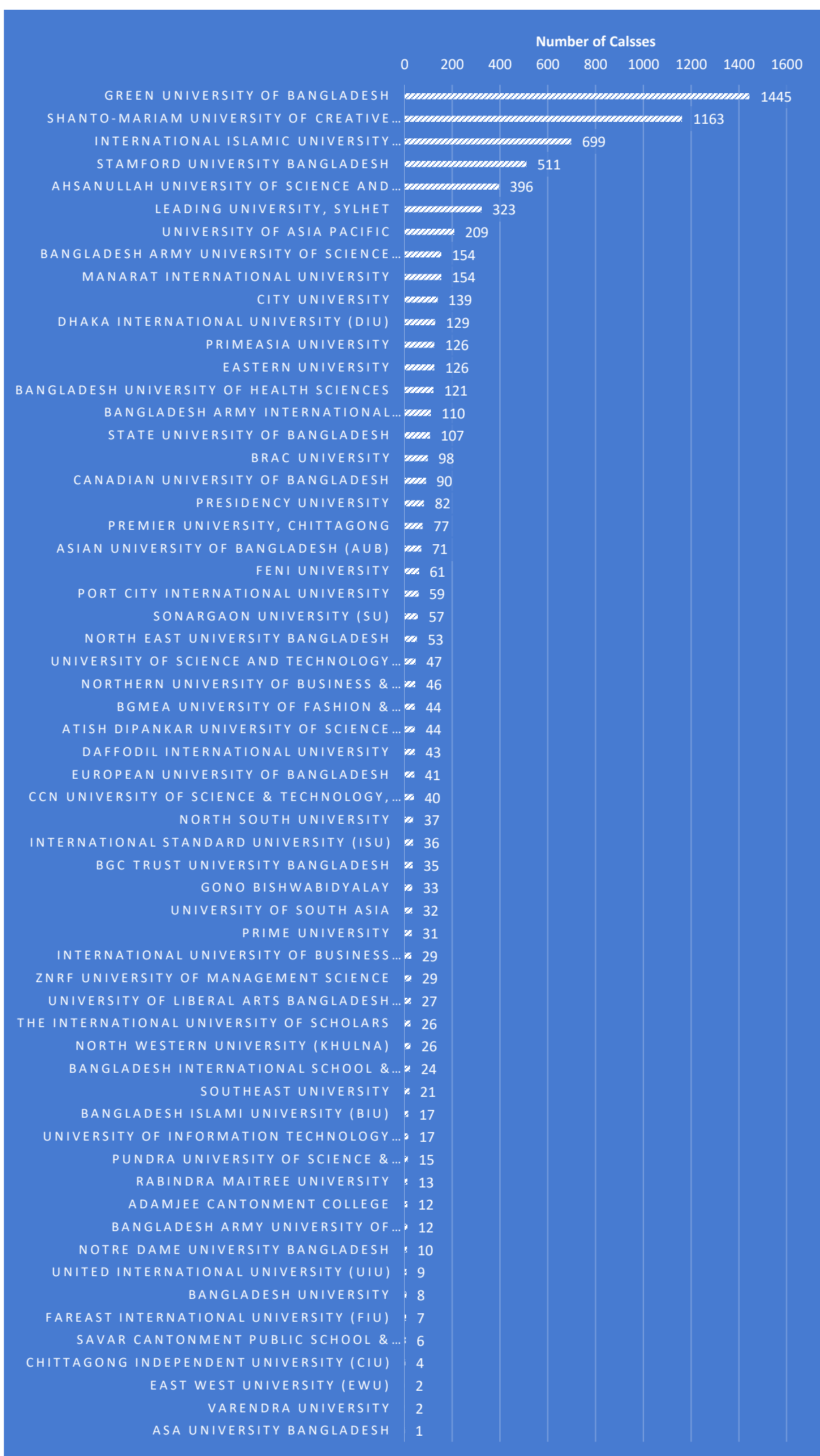


Figure 4: Private University vSession Usage Graph

MEDICAL COLLEGE, RESEARCH INSTITUTE AND OTHERS INSTITUTION

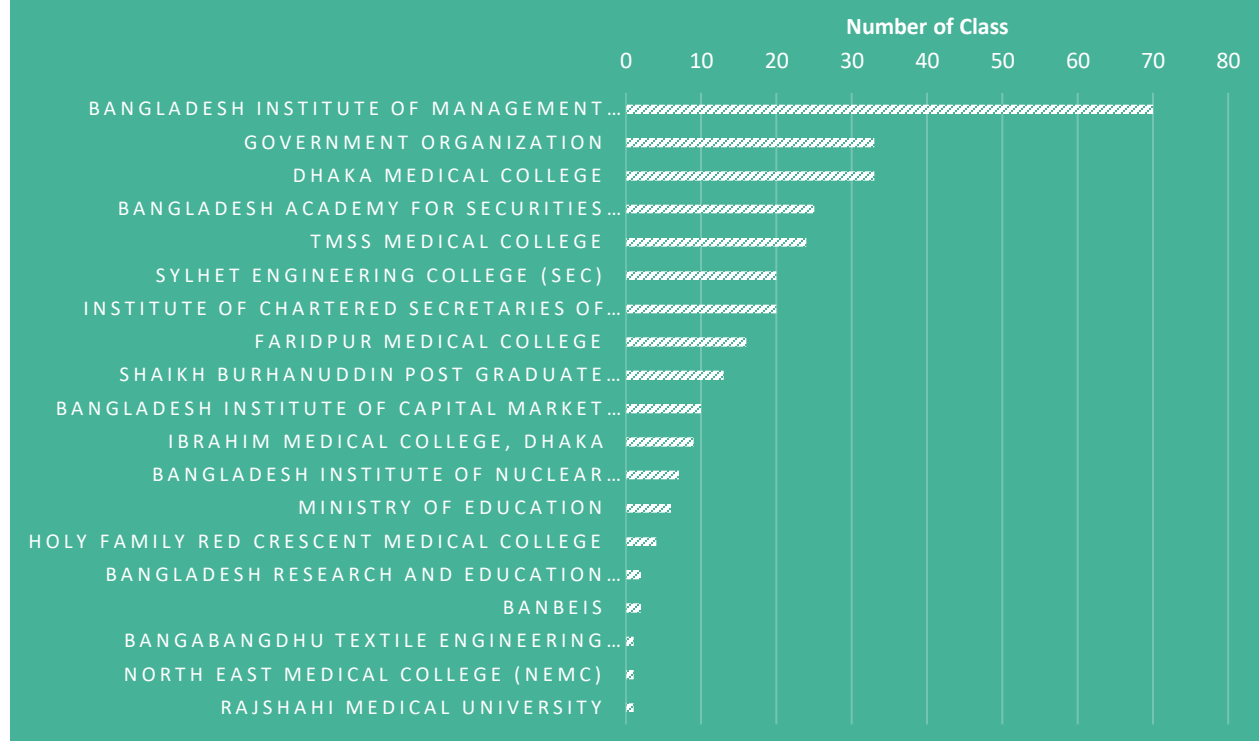


Figure 5: Medical College, Research Institute and Others Institution vSession Usage Graph

6.3 Institution Wise On-Prem Zoom Usage Statistics

Table 5: Institution Wise On-Prem Zoom Usage Statistics

Name of Institute	Number of Meetings	Total hours	Total Participants
ABC Center for HR Development	1	0:35:42	3
Ahsanullah University of Science and Technology (AUST)	33	38:42:25	1944
Asian University of Bangladesh (AUB)	4	6:29:04	39
BAC	1	4:00:48	67
Bangabandhu Digital University (BDU)	3	2:58:42	42
Bangabandhu Sheikh Mujib Medical University (BSMMU)	14	17:17:28	75
Bangabandhu Sheikh Mujibur Rahman Agricultural University	22	21:47:03	355
Bangabandhu Sheikh Mujibur Rahman Maritime University	43	57:07:13	769
Bangladesh Agricultural Research Institute (BARI)	84	238:02:27	11942
Bangladesh Agricultural University (BAU)	122	139:47:29	5534
Bangladesh Army University of Science and Technology	6	2:13:02	49
Bangladesh Institute of Capital Market (BICM)	13	24:26:34	269
Bangladesh Institute of Development Studies	17	27:16:35	363
Bangladesh Institute of Management (BIM)	7	2:32:03	14
Bangladesh International School & College (BISC)	27	28:42:33	226
Bangladesh Open University (BOU)	54	63:37:13	1592
Bangladesh Rice Research Institute (BRRI)	29	48:12:22	1679
Bangladesh Securities & Exchange Commission (BSEC)	13	22:42:09	982
Bangladesh Sugar & Food Industries Corporation (BSFIC)	8	15:49:01	165
Bangladesh University of Business and Technology (BUBT)	4	7:29:43	140
Bangladesh University of Engineering & Technology (BUET)	1837	1909:42:48	39476
Bangladesh University of Health Sciences – BUHS	15	15:58:09	101
Bangladesh University of Professionals (BUP)	355	421:43:15	11060
Bangladesh University of Textiles (BUTEX)	3	6:40:51	82
BARD	39	67:46:14	416
Barishal Cadet College (BCC)	80	81:01:45	4265

Name of Institute	Number of Meetings	Total hours	Total Participants
BdREN	77	58:28:28	555
Begum Rokeya University, Rangpur (BRUR)	25	36:39:43	1235
BGC Trust University Bangladesh	18	16:13:18	97
BGMEA University of Fashion & Technology	1	2:10:44	18
BIGM	9	14:33:42	253
BJRI	7	6:40:27	67
BPC Training Center	10	15:23:39	125
BRAC University	93	108:33:20	1179
BSFMSTU	1	0:02:42	2
BSMRAAU	54	76:52:45	471
BSMRSTU	32	37:09:27	2263
BTCL	3	6:52:22	104
Canadian University of Bangladesh	39	49:19:42	1801
Chandpur Science and Technology University (CSTU)	9	12:11:40	75
Chittagong Independent University (CIU)	2	1:51:40	10
Chittagong University of Engineering & Technology (CUET)	455	478:49:50	8965
Chittagong Veterinary and Animal Sciences University	8	10:44:33	66
City University	28	39:10:46	150
Comilla University (CoU)	31	39:15:34	1499
Cumilla Cadet College	70	39:52:18	3753
Customs Intelligence & Investigation Directorate	2	4:25:30	248
Daffodil International University	20	33:00:53	840
Data Edge	72	101:42:26	581
Dhaka Dental College	1	0:59:31	4
Dhaka International University (DIU)	11	8:33:01	82
Dhaka University of Engineering & Technology (DUET)	307	343:12:41	7456
Dhamrai Govt. College	7	8:30:59	402
Directorate of Technical Education	8	3:21:01	31
East West University (EWU)	21	20:08:49	97
EXIM Bank Agricultural University Bangladesh	8	4:09:22	20
Express Systems Limited	12	7:00:30	104
Faith Bangladesh	5	4:48:40	27
Fareast International University (FIU)	6	7:06:49	304
Faridpur Engineering College, Faridpur	2	1:35:56	14
fDLuDCf	22	30:45:29	1003
Gono Bishwabidyalay	7	7:18:29	74
Govt. Office	8	16:03:10	674
Green University of Bangladesh	37	53:36:00	1089
Hajee Mohammad Danesh Science & Technology University	47	45:13:33	2360
ic4rib	3	8:27:10	7
ICDDRDB	13	13:48:52	332
ICMAB	154	247:18:00	10922
IEDCR	20	22:58:07	214
Independent University, Bangladesh	20	28:54:49	439
Institute of Chartered Secretaries of Bangladesh (ICSB)	26	23:42:59	606
International Islamic University Chittagong (IIUC)	36	36:23:37	3320
International Standard University (ISU)	10	14:25:16	229
International University of Business Agriculture and Technology	11	24:24:56	833
Islamic University of Technology (IUT)	99	99:25:28	1317
Islamic University, Bangladesh (IU)	42	65:29:02	2111
Jagannath University (JnU)	192	202:30:35	6358
Jahangirnagar University (JU)	104	108:40:57	2653
Jashore University of Science and Technology (JUST)	192	176:01:06	3019

Name of Institute	Number of Meetings	Total hours	Total Participants
Jatiya Kabi Kazi Nazrul Islam University (JKKNIU)	7	9:09:38	209
Jhenidah Cadet College (JCC)	70	44:16:58	4194
Joypurhat Girls Cadet College	95	62:11:03	5180
Kazla Technologies Limited	6	4:33:50	48
Khulna University (KU)	165	188:53:25	3235
Khulna University of Engineering & Technology (KUET)	314	296:27:23	4249
Leading University, Sylhet	1	0:07:43	4
Local Government Engineering Department (LGED)	2	1:06:47	9
Manarat International University	71	74:01:35	3594
Mawlana Bhashani Science and Technology University	45	36:42:36	666
Military Institute of Science and Technology (MIST)	303	291:49:30	7628
Ministry of Education	12	22:24:49	888
Mohammadpur Govt college, Dhaka	1	1:10:22	17
National Institute of Textile Engineering and Research (NITER)	2	2:53:46	63
National University (NU)	50	55:52:16	3091
NIPORT	5	5:28:57	62
NIPSOM	6	7:38:56	105
Noakhali Science and Technology University (NSTU)	178	153:15:31	5009
North South University	37	60:56:05	519
North Western University (Khulna)	19	16:45:06	298
Notre Dame College, Dhaka	31	32:07:29	654
Others	561	573:25:06	10882
Pabna University of Science and Technology (PUST)	28	29:08:04	1295
Patuakhali Science and Technology University (PSTU)	120	131:26:35	3581
PMEAT	1	3:29:19	5
Port City international University	5	1:57:16	13
Premier University, Chittagong	6	1:45:18	299
Presidency University	1	0:09:50	2
Primeasia University	5	7:50:31	181
Rajshahi Cadet College	55	88:50:22	5002
Rajshahi Medical University	7	6:22:07	280
Rajshahi University of Engineering & Technology (RUET)	376	405:49:34	12825
Rangamati Science and Technology University (RMSTU)	2	3:36:38	44
Rangpur Community Medical College & Hospital (RCMC)	2	2:16:47	7
Rangpur Community Medical College(RCDC)	1	1:10:54	6
RTM Al Kabir Technical University (RTM-AKTU)	49	49:35:07	525
Savar Cantonment Public School & College (SCPSC)	4	1:44:12	47
Shahjalal University of Science and Technology (SUST)	587	582:10:56	16594
Shaikh Burhanuddin Post Graduate College	1	0:55:00	9
Sheikh Hasina University (SHU)	1	0:56:02	23
Sheikh Sayera Khatun Medical College, Gopalganj	12	2:50:59	27
Sher-e-Bangla Agricultural University (SBAU)	19	21:42:12	111
Sher-e-Bangla Medical College, Barisal	1	0:43:27	13
SOMC	1	1:28:26	17
Sonargaon University (SU)	1	1:47:39	76
Spectrum Engineering Consortium Limited	68	76:41:03	545
SPFMS	109	147:22:14	844
Stamford University Bangladesh	26	32:04:30	415
Sylhet Agricultural University (SAU)	22	24:38:10	441
Sylhet Cadet College (SCC)	40	49:32:53	2807
Textile Engineering College, Noakhali	22	12:01:56	592
The Millennium University	1	0:19:18	2
The People's University of Bangladesh	3	1:17:42	32

Name of Institute	Number of Meetings	Total hours	Total Participants
UGC	26	28:37:03	466
United International University (UIU)	347	429:19:03	6272
University of Asia Pacific	16	31:30:05	632
University of Barisal (BU)	86	104:22:46	5484
University of Chittagong (CU)	182	221:20:00	5898
University of Dhaka (DU)	2729	3079:05:15	97081
University of Liberal Arts Bangladesh (ULAB)	29	42:01:18	709
University of Rajshahi (RU)	53	72:05:29	921
University of Science and Technology Chittagong (USTC)	2	4:08:47	52
Grand Total	12358	13743:16:39	366886

6.4 BdREN Total Zoom Usage Statistics

Table 6: BdREN Total Zoom Usage Statistics

Total Number of Meetings/Classes	26101
Total Hour of Meetings/Classes	29896:01:49
Total Number of Participants	894257

6.5 Month-wise Number of Classes, Total Class Hours and Participants

Table 7: Month-wise Zoom Usage Statistics

Year: 1 Year	Number Of Classes	Total Class Hours	Total Participants
June, 2021	127770	166413	6441336
July, 2021	111348	149652	5378990
August, 2021	147295	202190	7435008
September, 2021	133279	179272	6365539
October, 2021	91010	116065	3653814
November, 2021	76633	101018	3153253
December, 2021	45716	57502	1796817
January, 2022	82937	98200	4826870
February, 2022	124860	155180	7793889
March, 2022	47594	61252	1863547
April, 2022	39569	45441	1411059
May, 2022	25331	30669	794075
June, 2022	25359	29606	789483
July, 2022	22703	26049	768172
August, 2022	26101	29896	894257

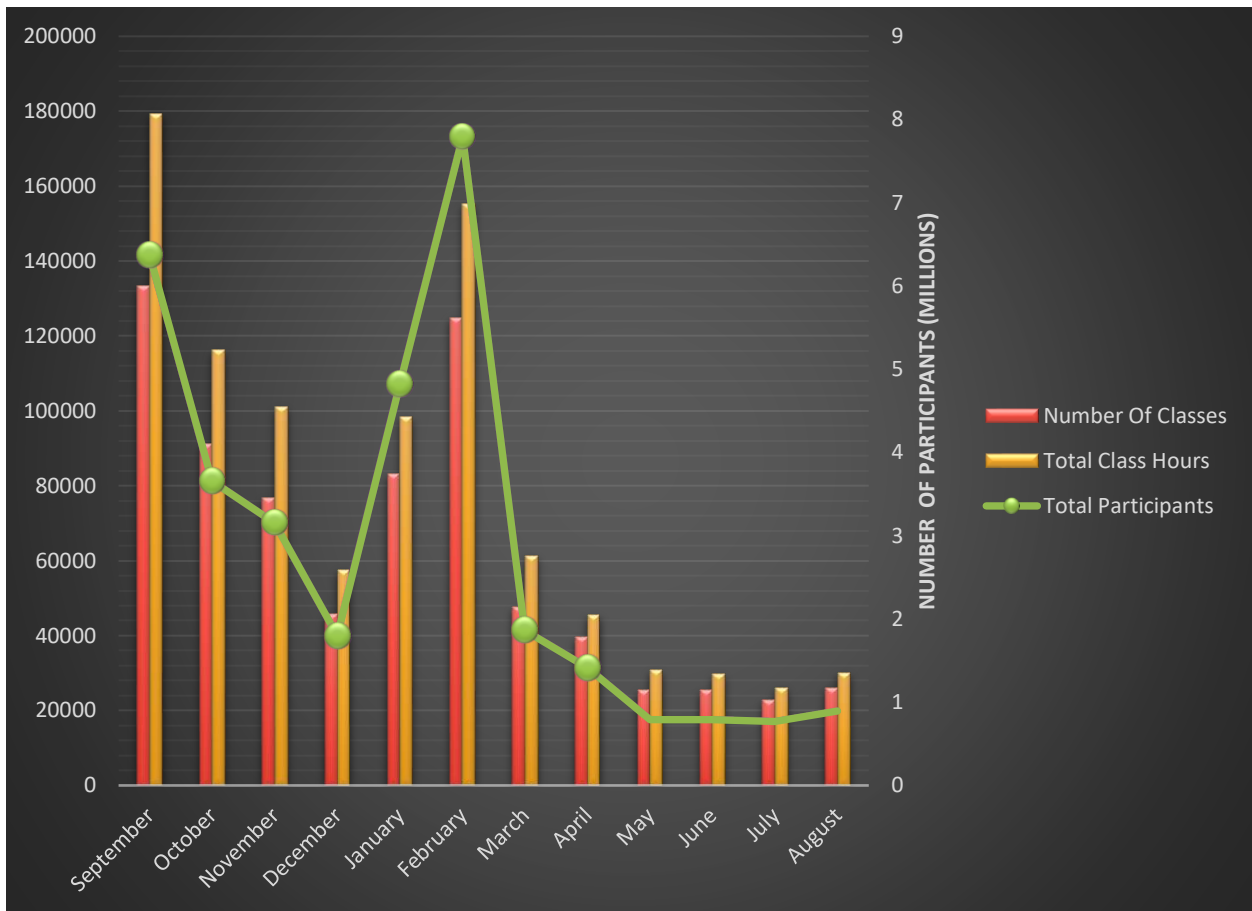


Figure 6: Month Wise Zoom Usage Graph in Last one year of 2021-2022

7. INSTITUTION WISE MAX HPC USAGE

Table 8: Institution Wise Max HPC Usage

University	Storage (GB)	Memory (GB)	CPUs (Core)	Number of VMs
BAU	6144	264	44	2
BoU	200	8	8	1
BRAC	300	8	2	1
BRUR	1174	48	32	2
BSMMU	2048	64	25	2
BSMRAAU	100	8	4	1
BSMRAU	5632	144	64	4
BU	3072	96	48	3
BUET	11390	96	36	6
BUP	11670	112	36	6
BUTEX	1524	144	72	2
CUET	1024	32	16	1
CVASU	6644	80	38	4
DU	36308	2450	762	32
DUET	3072	48	48	3
GU	1024	128	32	1
HSTU	1024	64	16	1
IAU	1500	40	24	3
IU	2048	72	20	2
IUS	200	4	4	1
IUT	200	8	2	1
JnU	3072	96	24	3
JU	9616	104	52	7
JUST	3572	124	44	4
KU	2048	48	24	2

University	Storage (GB)	Memory (GB)	CPUs (Core)	Number of VMs
KUET	2124	128	68	4
MBSTU	4672	152	126	7
NITER	1024	8	4	1
NU	200	8	8	1
PUST	1024	32	8	1
RU	2048	32	64	1
RUET	1374	34	22	3
SAU	600	24	12	2
SBAU	2390	624	336	12
SUST	11290	168	42	10
Grand Total	141352	5500	2167	

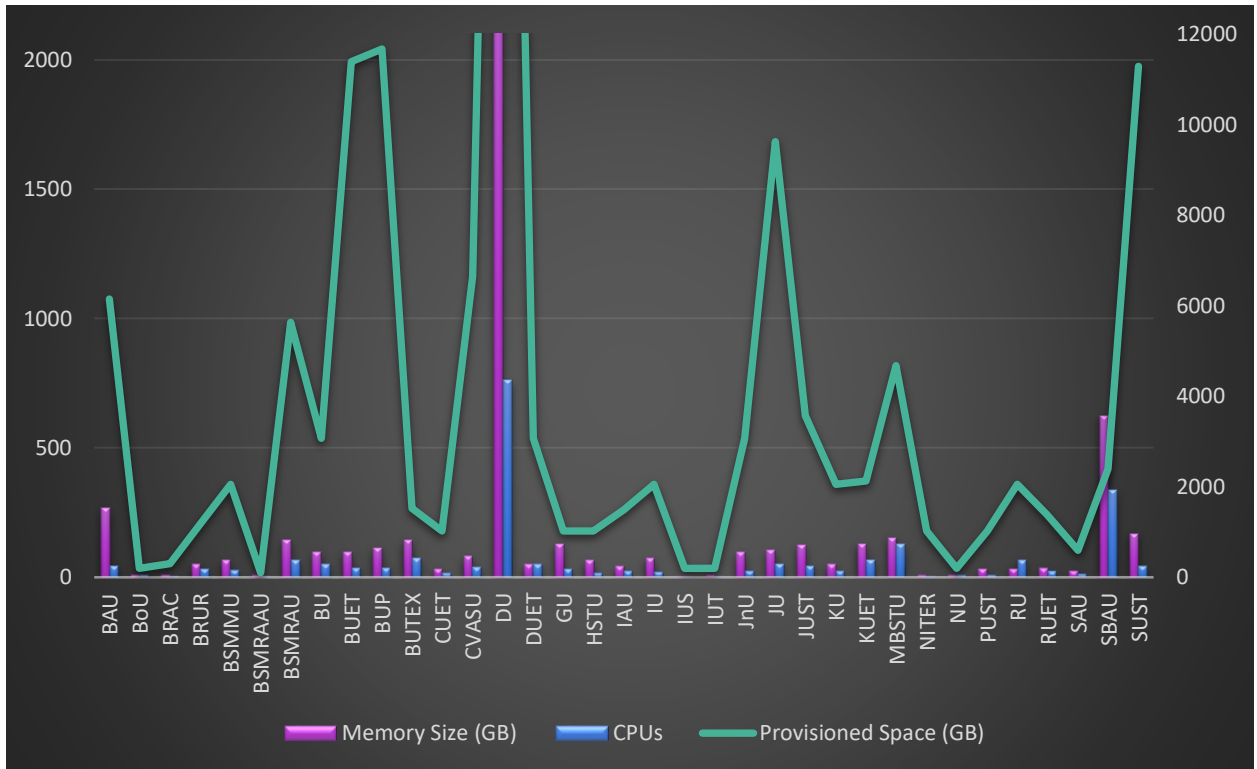


Figure 7: Institution Wise Max HPS Usage

8. ACRONYMS

AUB	Asian University of Bangladesh	KU	Khulna University
AUST	Ahsanullah University of Science & Technology	KUET	Khulna University of Engineering & Technology
AUW	Asian University for Women	LUS	Leading University, Sylhet
BARD	Bangladesh Academy for Rural Development	MBSTU	Mawlana Bhashani Science and Technology University
BARI	Bangladesh Agricultural Research Institute	MIU	Manarat International University
BAU	Bangladesh Agricultural University	MMC	Mymensingh Medical College, Mymensingh
BDU	Bangabandhu Sheikh Mujibur Rahman Digital University	NINMAS	National Institute of Nuclear Medicine & Allied Science
BDREN	Bangladesh Research and Education Network	NITER	National Institute of Textile Engineering & Research
BFRI	Bangladesh Fisheries Research Institute	NKN	National Knowledge Network
BIDS	The Bangladesh Institute of Development Studies	NOC	Network Operation Center
BLRI	Bangladesh Livestock Research Institute	NREN	National Research and Education Network
BOU	Banagladesh Open University	NSTU	Noakhali Science and Technology University
BRACU	BRAC University	NSU	North South University
BRRI	Bangladesh Rice Research Institute	NU	National University
BRUR	Begum Rokeya University, Rangpur	PSTU	Patuakhali Science and Technology University
BSMMU	Bangabandhu Sheikh Mujib Medical University	PUST	Pabna University of Science and Technology
BSMRAU	Bangabandhu Sheikh Mujibur Rahman Agricultural University	RAM	Random Access Memory
BSMRSTU	Bangabandhu Sheikh Mujibur Rahman Science and Technology University	RMC	Rajshahi Medical College, Rajshahi
BTCL	Bangladesh Telecommunications Company Limited	RU	University of Rajshahi
BU	University of Barishal	RUET	Rajshahi University of Engineering & Technology
BUBT	Bangladesh University of Business and Technology	SAU	Sylhet Agricultural University
BUET	Bangladesh University of Engineering and Technology	SBAU	Sher-e-Bangla Agricultural University
BUP	Bangladesh University of Professionals	SBMC	Sher-e-Bangla Medical College, Barishal
BUTEX	Bangladesh University of Textiles	SOMC	Sylhet MAG Osmani Medical College, Sylhet
CMC	Chittagong Medical College, Chittagong	SSHMC	Shaheed Suhrawardy Medical College, Dhaka
CoU	Cumilla University	SSKMC	Sheikh Sayera Khatun Medical College, Gopalganj
CU	University of Chittagong	SSMC	Sir Salimullah Medical College, Dhaka
CUET	Chittagong University of Engineering and Technology	SUST	Shahjalal University of Science and Technology
CVASU	Chattogram Veterinary and Animal Sciences University	TB	Terabyte
DDC	Dhaka Dental College, Dhaka	UGC	University Grants Commission of Bangladesh
DIU	Daffodil International University	VU	Varendra University
DMC	Dhaka Medical College, Dhaka		
DU	University of Dhaka		
DUET	Dhaka University of Engineering and Technology		
EU	Eastern University		
EWU	East West University		
HSTU	Hajee Mohammad Danesh Science & Technology University		
ICDDR'b	International Centre for Diarrhoeal Disease Research, Bangladesh		
ICMAB	The Institute of Cost and Management Accountants of Bangladesh		
ICSB	The Institute of Chartered Secretaries of Bangladesh		
IU	Islamic University, Bangladesh		
IUB	Independent University, Bangladesh		
IUBAT	International University of Business Agriculture and Technology		
IUT	Islamic University of Technology		
JKKNIU	Jatiya Kabi Kazi Nazrul Islam University		
JnU	Jagannath University		
JU	Jahangirnagar University		
JUST	Jessore University of Science & Technology		

