

## Project Update: October 2020

### Field work

The field data collection was completed in June 2020. The complete list of fishes recorded from the study area is below. Recorded fishes were identified to species and genus level and have been validated by the experts. Sampling of fish was done along the altitudinal gradients using six different altitudinal zones as sampling stations; three zones each in the upstream and downstream. Different types of fishing nets were used to sample the fish from the river with the help of local fisherman.

### Fish species recorded from the area

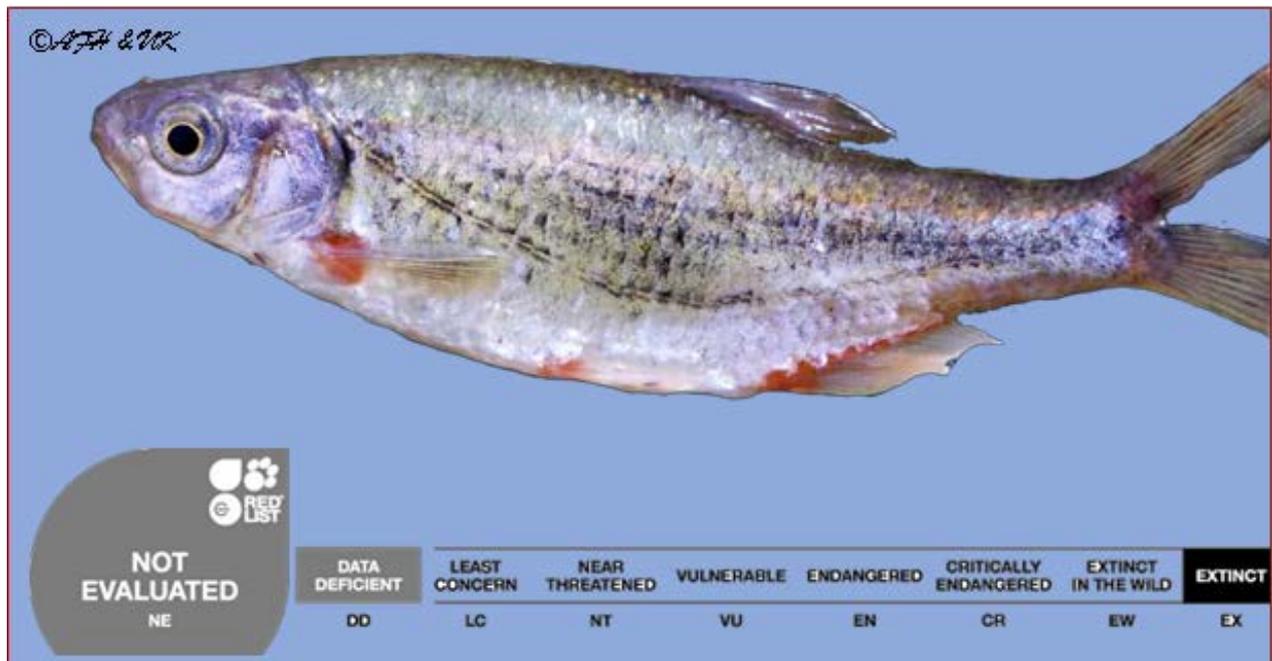
A. Order: Cypriniformes Bleeker, 1859

Family: Cyprinidae

Subfamily: Alburninae Girard, 1858

*Alburnoides* Jeitteles, 1861

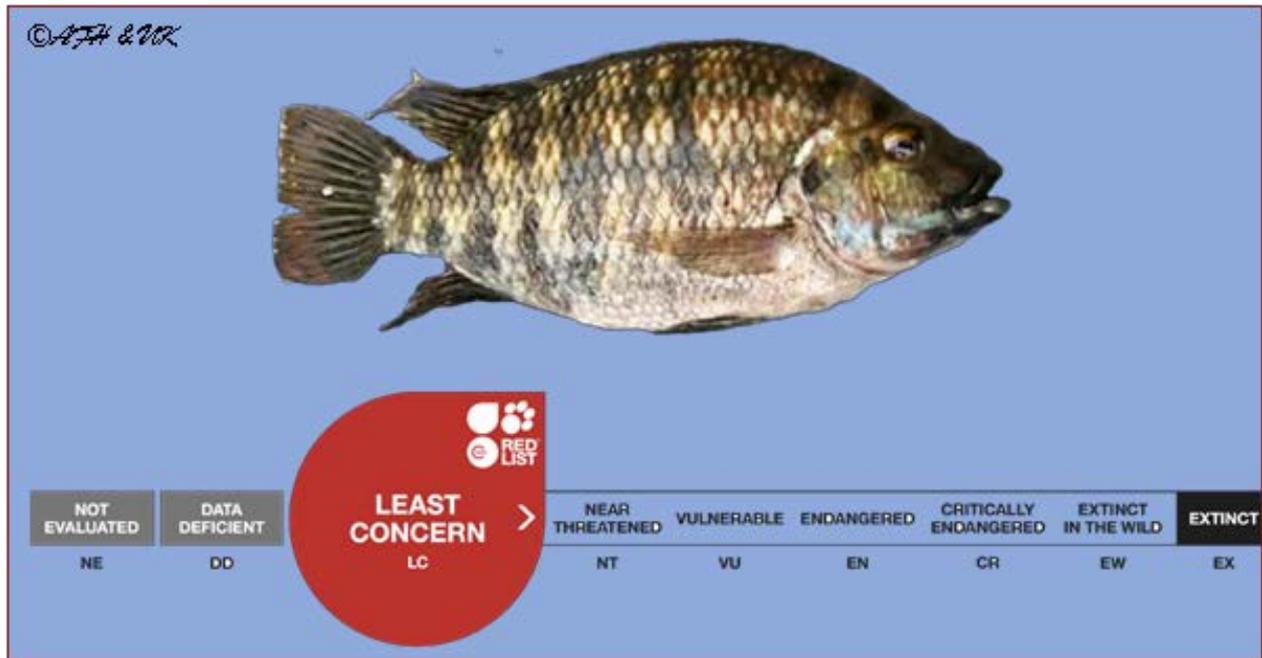
*Alburnoides holciki* Coad & Bogutskaya, 2012



Subfamily: Pseudocrenilabrinae Fowler, 1934

*Coptodon* Gervais, 1848

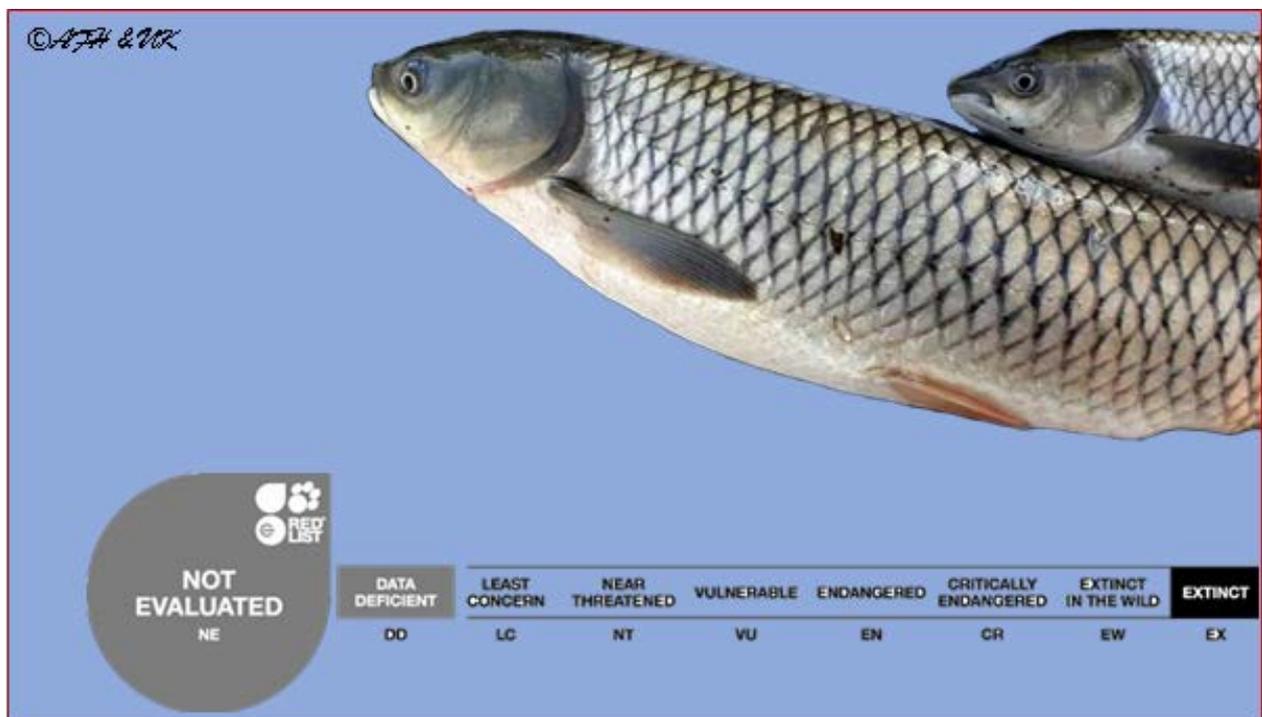
*Coptodon zillii* Gervais, 1848



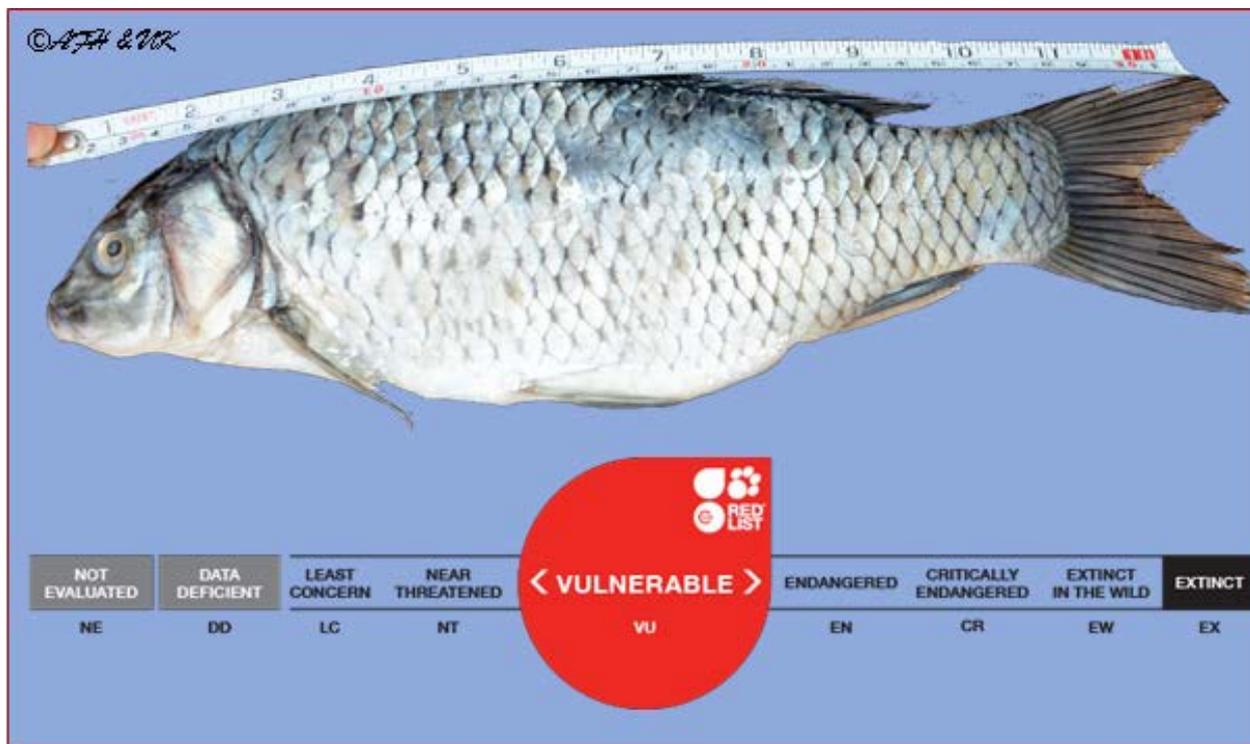
Subfamily: Squaliobarbinae

*Ctenopharyngodon* Steindachner, 1866

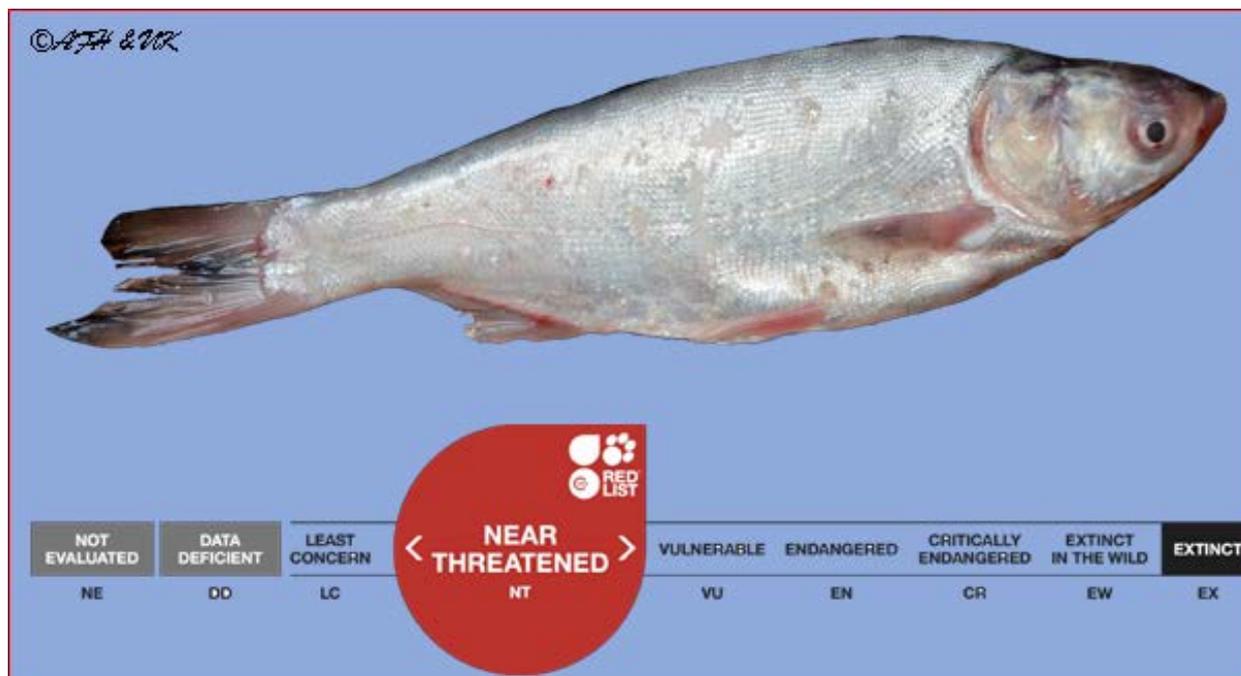
*Ctenopharyngodon idella* Valenciennes, 1844



Subfamily: *Cyprininae* Rafinesque, 1815  
*Cyprinus* Linnaeus, 1758  
*Cyprinus carpio* Linnaeus, 1758



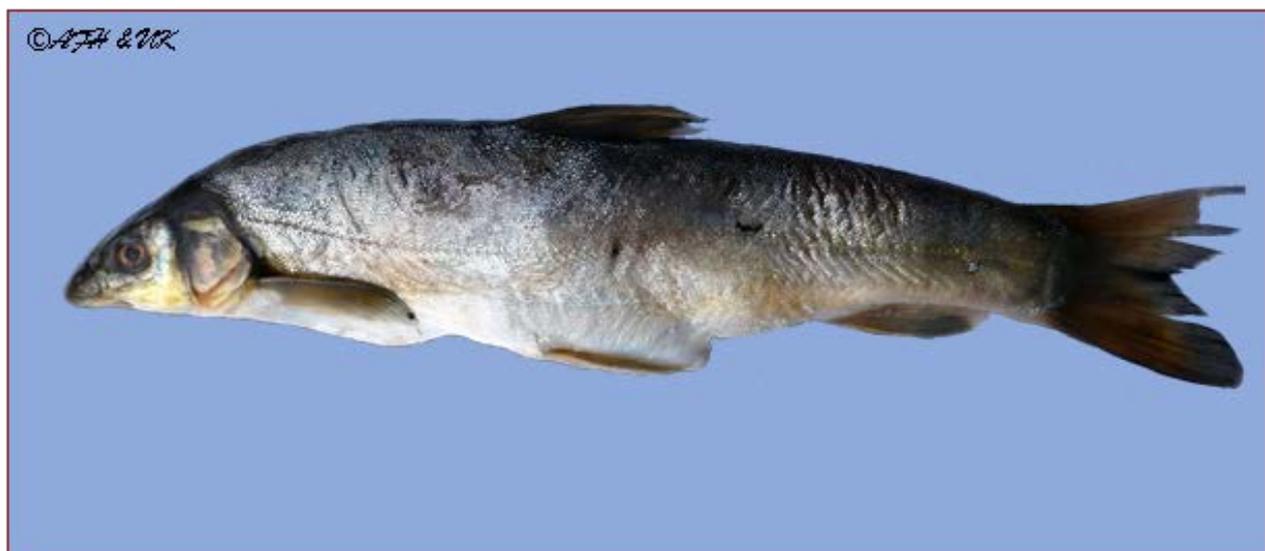
Subfamily: *Xenocyprinae* Gunther, 1868  
*Hypophthalmichthys* Bleeker, 1860  
*Hypophthalmichthys molitrix* Valenciennes, 1844



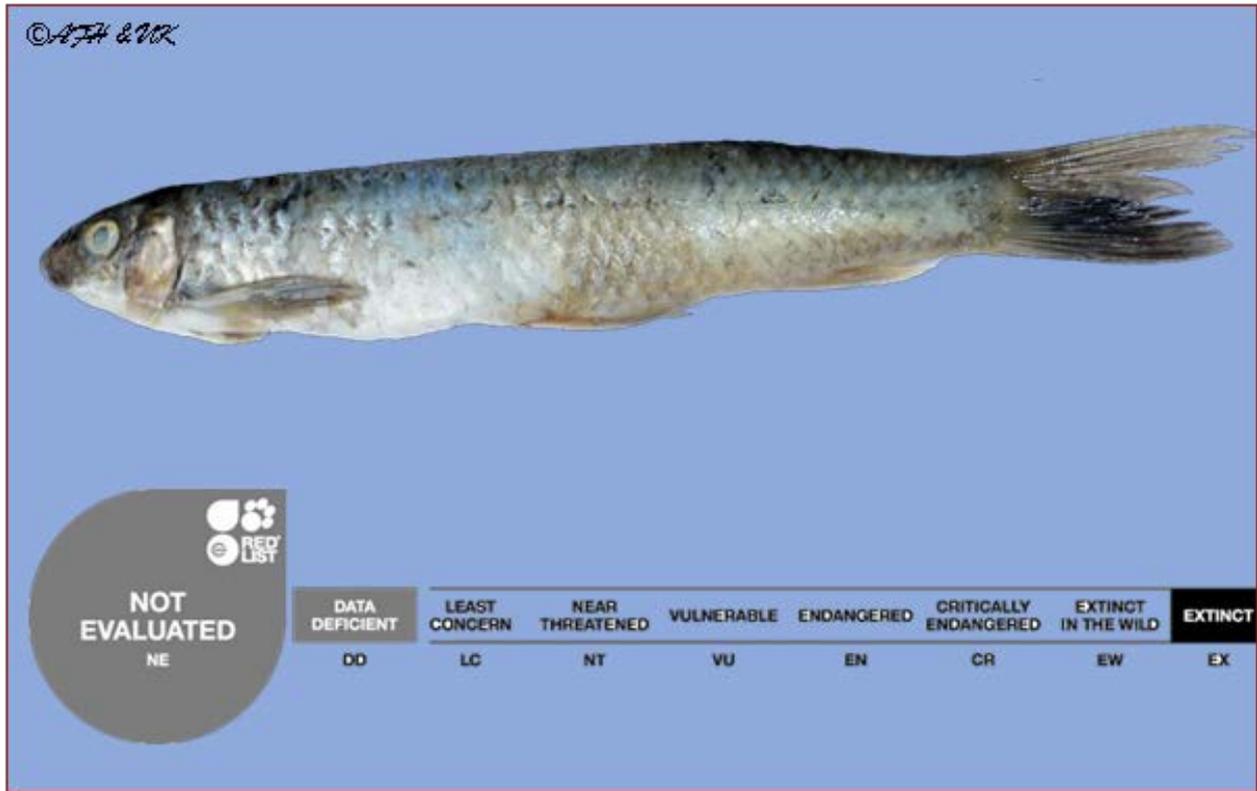
Subfamily: Barbinae  
*Schizothorax* Heckel, 1838  
*Schizothorax esocinus* Heckel, 1838



*Schizothorax* sp.



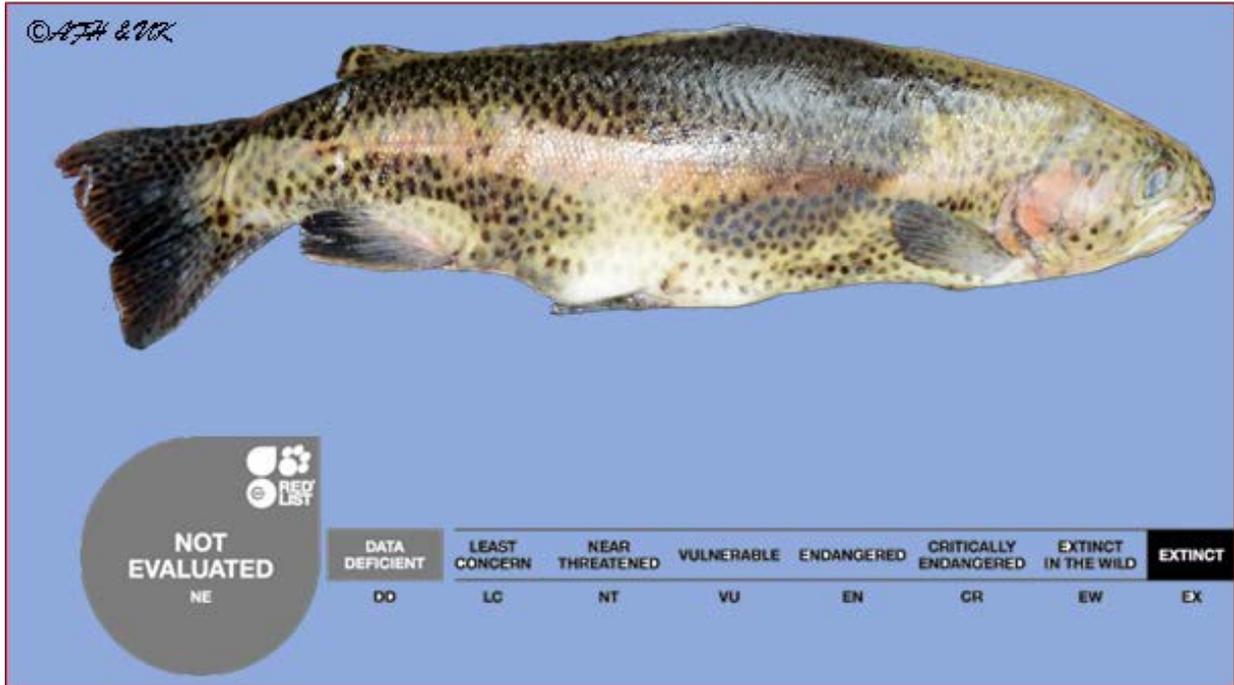
Subfamily: Labeoninae Bleeker, 1859  
*Tariqilabeo* Wu, 1977  
*Tariqilabeo diplochilus*



*Tariqilabeo* sp.



B. Order: Salmoniformes Bleeker, 1859  
 Family: Salmonidae Cuvier, 1816  
 Subfamily: Salmoninae  
*Oncorhynchus* Suckley, 1861  
*Oncorhynchus mykiss* Walbaum, 1792



*Salmo* Linnaeus, 1758  
*Salmo trutta* Linnaeus, 1758



### *Chemical properties of the Kabul river under Kabul City*

Sampling sites	Water (°C)	Temperature	Conductivity ( $\mu\text{S}/\text{cm}$ )	Total Dissolved Solids (g/L)	pH
S1	6.07		546.90	0.28	8.66
S2	8.23		743.25	0.14	8.84
S3	5.55		533.13	0.15	8.72
S4	14.37		758.00	0.21	8.54
S5	15.03		597.50	0.26	8.46
S6	9.28		322.88	0.30	8.47

### *Education and awareness programs*

Awareness campaign on the importance of conservation of freshwater and its biodiversity was conducted in four villages and two schools in the vicinity of the study area. Cleaning campaign along the Kabul river was also carried out involving students, lecturers, and local people. Presentations of the research findings will be made in the month of October 2020 in two universities.

