



**Prof.S.Dayananda,**  
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**Department of Animal Biology, School of Life Sciences,**  
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Ref. No: UH/SLS/SD/UGC/2019-20 /Lab top  
06.01.2020

DATE:

Sealed quotations are invited by Prof. S. Dayananda, Department of Animal Biology, School of Life Sciences, University of Hyderabad, Prof. C. R. Rao Road, Gachibowli, Hyderabad.500046 Telangana, India, for the supply and installation of Laptop as per the specification given below. **Forward your offer at the lowest rates for supply** of the laptop as per the conditions stated below so as to reach the undersigned in a sealed cover as on **13.01.2020 by 5:00 pm**

### **TECHNICAL SPECIFICATIONS**

#### **MacBook Pro 16**

<b>Operating System</b>	:	<b>MacOS</b>
<b>Finish</b>	:	Space Grey
<b>Display</b>	:	<b>Retina display</b> 16.0-inch (diagonal) LED-backlit display with IPS technology; 3072x1920 native resolution at 226 pixels per inch with support for millions of colours Supported scaled resolutions: 2048x1280 1792x1120 1344x840 1152x720 500 nits brightness ,Wide colour (P3), True Tone technology Refresh rates: 47.95Hz, 48.00Hz, 50.00Hz, 59.94Hz, 60.00Hz
<b>Processor</b>	:	2.3GHz 8-core Intel Core i9, Turbo Boost up to 4.8GHz, with 16MB shared L3 cache
<b>Storage</b>	:	1TB SSD
<b>Memory</b>	:	16GB of 2666MHz DDR4 onboard memory
<b>Graphics</b>	:	AMD Radeon Pro 5500M with 4GB of GDDR6 memory and automatic graphics switching Intel UHD Graphics 630
<b>Charging and Expansion</b>	:	Four Thunderbolt 3 (USB-C) ports with support for: Charging DisplayPort Thunderbolt (up to 40 Gbps) USB 3.1 Gen 2 (up to 10 Gbps)
<b>Keyboard and Trackpad</b>	:	<b>Full-sized backlit Magic Keyboard with:</b>

		65 (US) or 66 (ISO) keys including four arrow keys in an inverted-T arrangement
		Touch Bar
		Touch ID sensor
		Ambient light sensor
		Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing and Multi-Touch gestures
<b>Wireless</b>	:	<b>Wi-Fi</b>
		802.11ac Wi-Fi wireless networking
		IEEE 802.11a/b/g/n compatible
<b>Bluetooth</b>	:	Bluetooth 5.0 wireless technology
<b>Camera</b>	:	720p FaceTime HD camera
<b>Video Support</b>	:	<b>Simultaneously supports full native resolution on the built-in display at 1 billion colours and</b>
		Up to two displays with 6016x3384 resolution at 60Hz at over a billion colours
		Up to four displays with 4096x2304 resolution at 60Hz at over a billion colours
<b>Thunderbolt 3 digital video output :</b>		Native DisplayPort output over USB-C
		VGA, HDMI, DVI and Thunderbolt 2 output supported using adapters (sold separately)
<b>Audio</b>	:	High-fidelity six-speaker system with force-cancelling woofers
		Wide stereo sound
		Support for Dolby Atmos playback
		Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming
		3.5mm headphone jack
<b>Battery and Power</b>	:	Up to 11 hours wireless web
		Up to 11 hours Apple TV App movie playback
		Up to 30 days of standby time
		Built-in 100-watt-hour lithium-polymer battery <sup>2</sup>
		96W USB-C Power Adapter
<b>Operating Requirements</b>	:	<b>Line voltage:</b> 100V to 240V AC
<b>Frequency</b>	:	50Hz to 60Hz
<b>Operating temperature :</b>		10° to 35° C (50° to 95° F)
<b>Storage temperature</b>	:	-25° to 45° C (-13° to 113° F)
<b>Relative humidity</b>	:	0% to 90% non-condensing

<b>Operating altitude</b>	:	tested up to 3,000 metres (10,000 feet)
<b>Maximum storage altitude</b>	:	4,500 metres (15,000 feet)
<b>Maximum shipping altitude</b>	:	10,500 metres (35,000 feet)
<b>Height</b>	:	1.62 cm (0.64 inches)
<b>Width</b>	:	35.79 cm (14.09 inches)
<b>Depth</b>	:	24.59 cm (9.68 inches)
<b>Weight</b>	:	2.0 kg (4.3 pounds) <sup>3</sup>
<b>Features</b>	:	Voice Control VoiceOver Zoom Increase Contrast Reduce Motion Siri and Dictation Switch Control Closed Captions Text to Speech

### **TERMS & CONDITIONS**

- 1. According to the Notification no. 45/2017, dated 14<sup>th</sup> November 2017 and Notification no. 9/2018 dated 25<sup>th</sup> January 2018 issued by The Ministry of Finance, Department of Revenue, Govt. of India. University of Hyderabad Circular Ref.no. REG/IAO/GST/2017-18/ Dated: 15-02-2018, University will provide you only 5% of GST instead of @18% or 28% for the delivery of goods and service.**
2. All includes perpetual license for MS-Office for Mac.
3. Specify warranty period
4. The prices to cover all charges including installation, laying, packaging, handling and transportation up to University of Hyderabad.
5. Validity: The rates quoted should be firm till the date of satisfactory execution of the order.
6. Our enquiry letter number and date as well as the date fixed for opening the Quotation should invariably be marked on your quotation and also on the envelop in which it is sent.

6. Quotation must be on a paper identifying the firm with address telephone numbers and GST registration details should be free from corrections and erases.
7. Rates should be quoted as per specifications /sizes/quantities /units/makes/brand asked for.
8. The quantity shown in the enquiry is not firm or fixed. It may be increased/decreased.
9. No advance will be given. Payment will be according to University purchase policy.
10. The University of Hyderabad, reserves the right to reject any /all tender(s) or accept any offer or part thereof without giving any reasons. its decision in the matter will be final and binding on all the renderers.
11. Sealed quotation can be delivered by post /by Hand to the authority concerned on or before due date.

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12. The University of Hyderabad will not in any way be responsible for any postal delay.

Yours sincerely



**Prof. S. Dayananda**

**Prof. S. DAYANANDA**  
Dept. of Animal Biology.  
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