

**Personal Learning Device (PLD) for ITE Full-time *Higher Nitec* Courses  
Minimum Laptop Specifications (2027 Intake)**

ITE Courses	Minimum Laptop Specifications
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Accounting</li> <li>• <i>Higher Nitec</i> in Accounting (3 years)</li> <li>• <i>Higher Nitec</i> in Beauty &amp; Wellness Management</li> <li>• <i>Higher Nitec</i> in Beauty &amp; Wellness Management (3 years)</li> <li>• <i>Higher Nitec</i> in Business Administration</li> <li>• <i>Higher Nitec</i> in Business Administration (3 years)</li> <li>• <i>Higher Nitec</i> in Culinary Arts</li> <li>• <i>Higher Nitec</i> in Culinary Arts (3 years)</li> <li>• <i>Higher Nitec</i> in Customer Experience</li> <li>• <i>Higher Nitec</i> in Customer Experience (3 years)</li> <li>• <i>Higher Nitec</i> in Early Childhood Education</li> <li>• <i>Higher Nitec</i> in Event Management</li> <li>• <i>Higher Nitec</i> in Event Management (3 years)</li> <li>• <i>Higher Nitec</i> in Hairdressing &amp; Salon Management</li> <li>• <i>Higher Nitec</i> in Hairdressing &amp; Salon Management (3 years)</li> <li>• <i>Higher Nitec</i> in Hospitality Operations</li> <li>• <i>Higher Nitec</i> in Hospitality Operations (3 years)</li> <li>• <i>Higher Nitec</i> in Passenger Services</li> <li>• <i>Higher Nitec</i> in Passenger Services (3 years)</li> <li>• <i>Higher Nitec</i> in Pastry &amp; Baking</li> <li>• <i>Higher Nitec</i> in Pastry &amp; Baking (3 years)</li> <li>• <i>Higher Nitec</i> in Retail and Online Business</li> <li>• <i>Higher Nitec</i> in Retail and Online Business (3 years)</li> <li>• <i>Higher Nitec</i> in Retail and Online Business (4 years)</li> <li>• <i>Higher Nitec</i> in Tourism</li> <li>• <i>Higher Nitec</i> in Tourism (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Intel Core i5-10210U (1.6 GHz with TurboBoost up to 4.2 GHz)</li> <li>• Memory: 8GB</li> <li>• Display: 15.6" HD ComfyView Display</li> <li>• Storage: 1 TB HDD SATA</li> <li>• Graphics: Intel UHD Graphics 620</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Logistics &amp; Supply Chain Management</li> <li>• <i>Higher Nitec</i> in Logistics &amp; Supply Chain Management (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Windows 11 Home / Windows 11 Pro</li> <li>• Processor: Intel Core i5-10210U (1.6 GHz with TurboBoost up to 4.2 GHz)</li> <li>• Memory: 8GB</li> <li>• Display: 15.6" HD ComfyView Display</li> <li>• Storage: 1 TB HDD SATA</li> <li>• Graphics: Intel UHD Graphics 620</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Sport Management</li> <li>• <i>Higher Nitec</i> in Sport Management (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Able to support Windows 11</li> <li>• 2.2 Ghz 64-bit processor</li> <li>• 8GB RAM or more</li> <li>• 256 GB HDD</li> <li>• System Firmware: UEFI, Secure Boot capable</li> <li>• Trusted Platform Module (TPM) Versiion 2.0</li> <li>• Graphics Card: Compatible with DirectX 12 or later with WDDM 2.0 Driver</li> <li>• High Definition (720p) Display that is greater than 9" diagonally, 8 bits per color channel</li> <li>• Wireless adapter must minimally support IEEE 802.11 a/g/n standard</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Aerospace Engineering</li> <li>• <i>Higher Nitec</i> in Aerospace Engineering (3 years)</li> <li>• <i>Higher Nitec</i> in Automotive Engineering</li> <li>• <i>Higher Nitec</i> in Automotive Engineering (3 years)</li> <li>• <i>Higher Nitec</i> in Marine &amp; Offshore Engineering</li> <li>• <i>Higher Nitec</i> in Marine &amp; Offshore Engineering (3 years)</li> <li>• <i>Higher Nitec</i> in Rapid Transit Engineering</li> <li>• <i>Higher Nitec</i> in Rapid Transit Engineering (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Windows 10 or 11</li> <li>• Processor: Intel Core i5-10210U (1.6 GHz with TurboBoost up to 4.2 GHz)</li> <li>• Memory: 8GB</li> <li>• Display: 15.6" HD ComfyView Display</li> <li>• Storage: 1 TB HDD SATA</li> <li>• Graphics: Intel UHD Graphics 620</li> </ul>

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<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Electrical Engineering</li> <li>• <i>Higher Nitec</i> in Electrical Engineering (3 years)</li> <li>• <i>Higher Nitec</i> in Vertical Transportation</li> <li>• <i>Higher Nitec</i> in Vertical Transportation (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Windows 11</li> <li>• Processor: Intel Core i5- Gen 12 or AMD Ryzen 5 6000 series</li> <li>• Memory: 16GB</li> <li>• Display: 14"</li> <li>• Storage: 512GB SSD</li> <li>• Graphics: Intel UHD Graphics 730 or AMD Radeon 660M</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Facilities Management &amp; Engineering</li> <li>• <i>Higher Nitec</i> in Facilities Management &amp; Engineering (3 years)</li> <li>• <i>Higher Nitec</i> in Facilities Management &amp; Engineering (4 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: CPU Single- or Multi-Core Intel®, Xeon®, or i-Series processor or AMD® equivalent with SSE2 technology eg; AMD Ryzen 7 5800X, AMD Ryzen 9 5900X, Intel Core i7-12700KF, Intel Core i9-12900K</li> <li>• Memory: 16GB RAM</li> <li>• Display: Ultra-High (4k) Definition Monitor (at least 1920 x 1200)</li> <li>• Storage: At least 30GB of disk space</li> <li>• Graphics: DirectX 11 capable graphics card with Shader Model 5 and a minimum of 4GB of video memory</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Electronics Engineering</li> <li>• <i>Higher Nitec</i> in Electronics Engineering (3 years)</li> <li>• <i>Higher Nitec</i> in Security System Integration</li> <li>• <i>Higher Nitec</i> in Security System Integration (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: 10th Gen Intel Core i7-1065G7 processor (up to 3.9GHz, 6MB smart cache)</li> <li>• Memory: 16GB LPDDR4X RAM</li> <li>• Display: 14" Full HD IPS Narrow Border Display</li> <li>• Storage: 1TB PCIe NVMe SSD</li> <li>• Graphics: NVIDIA GeForce MX250, 2GB GDDR5 VRAM (optional)</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Community Care &amp; Social Services</li> <li>• <i>Higher Nitec</i> in Community Care &amp; Social Services (3 years)</li> <li>• <i>Higher Nitec</i> in Nursing</li> <li>• <i>Higher Nitec</i> in Nursing (3 years)</li> <li>• <i>Higher Nitec</i> in Opticianry</li> <li>• <i>Higher Nitec</i> in Opticianry (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Intel Core i5 10th Gen and above</li> <li>• Microsoft Windows 11 Operating System</li> <li>• Memory: at least 16GB Ram</li> <li>• Display: 12" and above</li> <li>• Storage: 256GB with 100GB of free storage</li> <li>• Graphics: Intel UHD Graphics</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Civil &amp; Structural Engineering Design</li> <li>• <i>Higher Nitec</i> in Civil &amp; Structural Engineering Design (3 years)</li> <li>• <i>Higher Nitec</i> in Integrated Mechanical &amp; Electrical Design</li> <li>• <i>Higher Nitec</i> in Integrated Mechanical &amp; Electrical Design (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Intel Core i5-10210U (1.6 GHz with TurboBoost up to 4.2 GHz)</li> <li>• Memory: 8GB RAM</li> <li>• Display: 15.6" HD ComfyView Display</li> <li>• Storage: 1 TB HDD SATA</li> <li>• Graphics: Intel UHD Graphics 620</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Applied Food Science</li> <li>• <i>Higher Nitec</i> in Applied Food Science (3 years)</li> <li>• <i>Higher Nitec</i> in Bio-Chemical Technology</li> <li>• <i>Higher Nitec</i> in Bio-Chemical Technology (3 years)</li> <li>• <i>Higher Nitec</i> in Chemical Process Technology</li> <li>• <i>Higher Nitec</i> in Chemical Process Technology (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Intel Core i5 or equivalent</li> <li>• Operating system: Windows 11 (64-bit)</li> <li>• Memory: 8 GB RAM</li> <li>• Display: Screen resolution of at least 1600x900</li> <li>• Screen size: 12" or larger</li> <li>• Storage: 128 GB SSD</li> <li>• Graphics: Intel UHD Graphics or equivalent</li> <li>• Others: Built-in or external 802.11 2.4/5 GHz wireless adapter, Built-in microphone, Integrated webcam</li> </ul>

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<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Landscape Management &amp; Design</li> <li>• <i>Higher Nitec</i> in Landscape Management &amp; Design (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Screen Size: 15.6" Fhd (1920x1080) Ips</li> <li>• Main Memory: 16gb Sodimm Ddr5</li> <li>• Warranty: 2y Premium Care</li> <li>• Weight: 1.8kg</li> <li>• Internal Storage: 1tb Ssd</li> <li>• Operating System: Win 11 Home</li> <li>• Graphics Processor: Nvidia Geforce Rtx 4050 (6gb Gddr6)</li> <li>• Processor Model: Amd Ryzen 7 7735hs (up To 4.75ghz) or Intel Equivalent</li> <li>•</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Mechanical Engineering</li> <li>• <i>Higher Nitec</i> in Mechanical Engineering (3 years)</li> <li>• <i>Higher Nitec</i> in Mechanical Engineering (4 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Windows 10 or 11</li> <li>• Processor Intel Core i5-1335U / 1345U or AMD Ryzen 5 7530U / 7535U</li> <li>• In-built Full-HD Camera</li> <li>• Memory: 16GB</li> <li>• Display: 15" FHD Display</li> <li>• Storage: 512 GB SSD</li> <li>• Graphics: Integrated</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Mechatronics Engineering</li> <li>• <i>Higher Nitec</i> in Mechatronics Engineering (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Intel Core i5-10210U (1.6 GHz with TurboBoost up to 4.2 GHz)</li> <li>• Memory: 16GB RAM</li> <li>• Display: 13"</li> <li>• Storage: 1 TB HDD SATA</li> <li>• Graphics: Intel UHD Graphics 620</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Business Information Systems</li> <li>• <i>Higher Nitec</i> in Business Information Systems (3 years)</li> <li>• <i>Higher Nitec</i> in Data Engineering</li> <li>• <i>Higher Nitec</i> in Data Engineering (3 years)</li> <li>• <i>Higher Nitec</i> in Immersive Applications &amp; Game</li> <li>• <i>Higher Nitec</i> in Immersive Applications &amp; Game (3 years)</li> <li>• <i>Higher Nitec</i> in IT Applications Development</li> <li>• <i>Higher Nitec</i> in IT Applications Development (3 years)</li> <li>• <i>Higher Nitec</i> in Operational &amp; Information Technology</li> <li>• <i>Higher Nitec</i> in Operational &amp; Information Technology (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: 10th Gen Intel Core i7-1065G7 processor (up to 3.9GHz, 6MB smart cache)</li> <li>• Memory: 16GB LPDDR4X RAM</li> <li>• Display: 14" Full HD IPS Narrow Border Display</li> <li>• Storage: 1TB PCIe NVMe SSD</li> <li>• Graphics: NVIDIA GeForce MX250, 2GB GDDR5 VRAM</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in AI Applications</li> <li>• <i>Higher Nitec</i> in AI Applications (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: 10th Gen Intel Core i7-1065G7 processor (up to 3.9GHz, 6MB smart cache)</li> <li>• Memory: 16GB LPDDR4X RAM</li> <li>• Display: 14" Full HD IPS Narrow Border Display</li> <li>• Storage: 1TB PCIe NVMe SSD</li> <li>• Graphics: NVIDIA CUDA Compatible, at least 6GB VRAM</li> </ul>

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<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in IT Systems &amp; Networks</li> <li>• <i>Higher Nitec</i> in IT Systems &amp; Networks (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: 10th Gen Intel Core i7-1065G7 processor (up to 3.9GHz, 6MB smart cache)</li> <li>• Memory: 32GB RAM</li> <li>• Display: 14" Full HD IPS Narrow Border Display</li> <li>• Storage: 1TB PCIe NVMe SSD</li> <li>• Graphics: NVIDIA GeForce MX250, 2GB GDDR5 VRAM</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Architectural Technology</li> <li>• <i>Higher Nitec</i> in Architectural Technology (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: 11<sup>th</sup> Gen Intel Core i7-1165G7 Processor (2.80 GHz, 12MB Cache, Up to 4.70 GHz)</li> <li>• Memory: 16 GB RAM</li> <li>• Display: 15.6" LED-backlit Slim Full HD 1,920 x 1,080</li> <li>• Storage: PCIE NVME 256GB SSD + 1TB SATA HDD</li> <li>• Graphics: NVIDIA GeForce GTX 1630 with 4GB GDDR6</li> </ul>
<ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Communication Design</li> <li>• <i>Higher Nitec</i> in Communication Design (3 years)</li> <li>• <i>Higher Nitec</i> in Film &amp; Video Production</li> <li>• <i>Higher Nitec</i> in Film &amp; Video Production (3 years)</li> <li>• <i>Higher Nitec</i> in Interior &amp; Product Design</li> <li>• <i>Higher Nitec</i> in Interior &amp; Product Design (3 years)</li> <li>• <i>Higher Nitec</i> in Technical Theatre &amp; Production</li> <li>• <i>Higher Nitec</i> in Technical Theatre &amp; Production (3 years)</li> <li>• <i>Higher Nitec</i> in Visual Merchandising</li> <li>• <i>Higher Nitec</i> in Visual Merchandising (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Intel Core Ultra 5 Processor 225H (Up to 4.90GHz Max Turbo Frequency, 18MB cache, 14 Cores, NPU 13 TOPS)</li> <li>• 16GB DDR-5600 Memory</li> <li>• 512GB SSD</li> <li>• 14" diagonal WUXGA Anti-Glare Display (1920x1200), with Integrated 5MP IR Webcam</li> <li>• NVIDIA GeForce RTX 3050 4GB Dedicated Graphics</li> <li>• Integrated BE201 Wi-Fi 7 WLAN</li> <li>• Pre-loaded with Windows 11 Professional 64-bit (OEM)</li> </ul>
<p><b>Optional</b></p> <ul style="list-style-type: none"> <li>• <i>Higher Nitec</i> in Communication Design (3 years)</li> <li>• <i>Higher Nitec</i> in Film &amp; Video Production (3 years)</li> <li>• <i>Higher Nitec</i> in Technical Theatre &amp; Production (3 years)</li> </ul>	<ul style="list-style-type: none"> <li>• Apple M4 chip with 10-core CPU, 10-core GPU, 16-core Neural Engine</li> <li>• 16GB unified memory</li> <li>• 512GB SSD storage</li> <li>• 13.6-inch Liquid Retina display</li> <li>• 1080p HD camera</li> <li>• Wi-Fi 6E (802.11ax) + Bluetooth 5.3</li> <li>• Built-in 53.8-watt-hour lithium-polymer battery</li> <li>• 35W Dual USB-C Port Power Adapter</li> </ul>