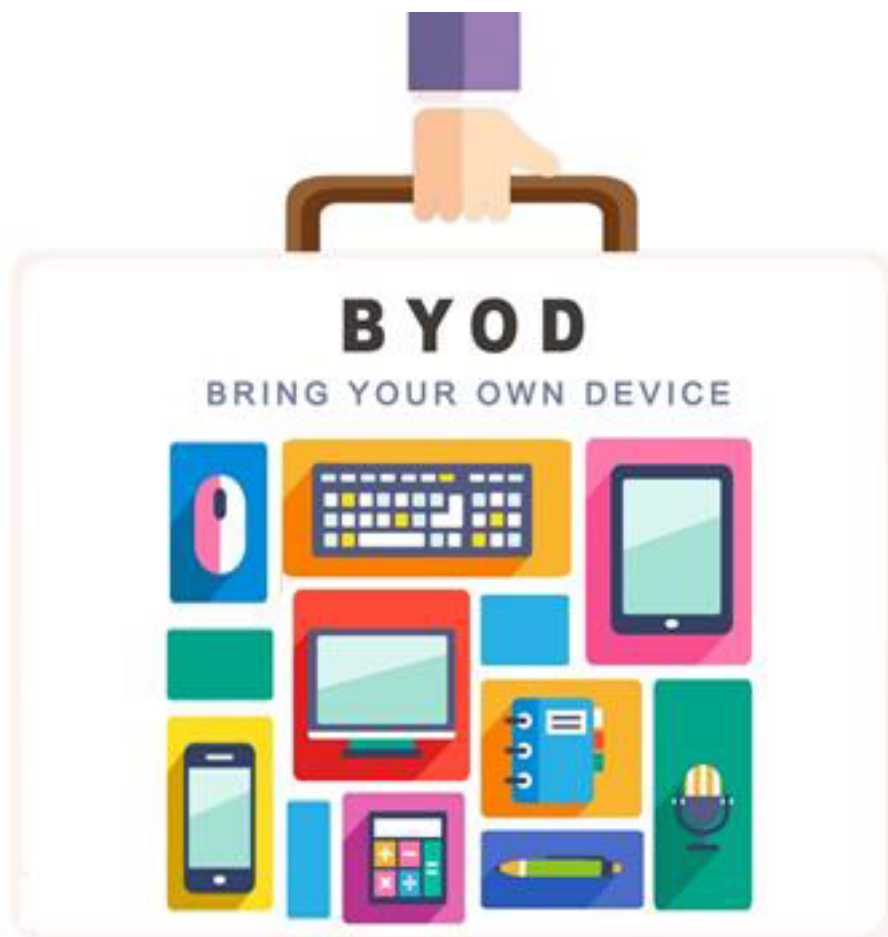


BYOD MOBILE TECHNOLOGY LAB

"Makes easy to carry out poll, surveys and classroom assessment"



Student Tablet

Display	10.0" HD display
Processing Speed	2.0 GHz
Ports	Micro SD card slot and combo audio jack
Audio	Inbuilt speaker
Battery Backup	8.5 Hours
Camera	2 MP Front + 2 MP Back
Resolution	1280 x 800 pixels
Storage	16 GB internal storage
Accessories	Screen Guard / Tempered Glass, 64 GB Micro SD Card, earphone, tablet protective cover
RAM	2 GB LPDDR3
OS	Android 9.0
Connection Support	IEEE 802.11a/b/g/n/ac

Auto Charging Trolley

Storage	Space to keep the accessories like headphones etc.
Capacity	20 Tablet with Lockable storage and Charging
Simultaneous Charging	For twenty tablets
Power stabilizing	Power stabilizing facility within Charging cart
Wheels for movability	Movable castor wheels on trolley

Students Workstation (20)

Item	Student Workstation for Individual Student
Minimum Size	Worktop Height 750 mm, Length 750 mm, Width 540 mm

Design Type	Free Standing (Non integrated)
Worktop	Made up of 25 MM thick PLPB having decorative laminate on one side & balancing laminate on the other side. Edges sealed with 2 mm thick PVC Lipping fitted by machine
Partition	Made up of 18 MM thick PLPB having decorative laminate on one side & balancing laminate on the other side. Edges sealed with 2 mm thick PVC Lipping fitted by machine
Workstation Under structure	Made up of 18 MM thick PLPB having decorative laminate on one side & balancing laminate on the other side. Edges sealed with 2 mm thick PVC Lipping fitted by machine

Electrical / Data Wires Passage : Provision given for wire carrier below the table top for passage of wires & a goromet cut of round shape given on the table top for smooth passage of wires.

Students Chair (20)

Chair Type	Medium Back Non Revolving
Seat & Back	Seat and Back of the Chair is made from PU moulded Foam having a minimum density of 32 Kg/m ³ with a tolerance of 5kg/m ³ . Seat & back is covered with blue or black color fabric
Overall height of Chair	Overall height of Chair is 825mm with a tolerance of +/-10mm
Size of Seat	The dimensions of Seat is 440 mm width x 450 mm depth and having a tolerance of +/- 5mm
Size of Back	Size of Back is 480mm height x 415mm width with a tolerance of +/- 5mm
Armrest	The armrest provided is of Polypropylene type / Polyurethane type
Understructure	The understructure frame is made up of cold rolled cold annealed 25.4 mm x 1.8 mm MS tube. 12mm thick ply also used in seat & back for better strength

Final Finish of Understructure : The understructure frame is given 7 tank treatment & then finally finished with powder coating upto thickness of 40 microns.

Interactive Flat Panel Display - Pro-DB-i6U

Display Size	65 inches
Technology	DLED backlight with IPS Panel
Resolution	3840 x 2160
Display Colour	8 bits -16 million colours
Viewing Angle H & V	178 ⁰
Aspect Ratio	16:9
Output Ports	Audio x 1
Input	RS232x1, USB Ports: USB 2.0 x 2, USB 3.0 x 2, HDMI x 3, Audio x 1, PC slot x 1
Dedicated Camera Port	USB Based
USB Ports (Touch)	USB Type B for Touch x 1
2.1 Stereo Sound	15-Watt x 1 Sub-Woofer & Built-In 20-Watt x 2 speakers
Camera Plate	On top (screw-in web cam installation)
Contrast	5000:1
Brightness	600 cd/m ²
Inbuilt OS	Support all Windows/Linux/Mac
Embedded Player	Android Embedded Player
Power Consumption	135 Watts
Power Supply	230V AC +/- 10%, 50 Hz
Stylus	Frame Holder with inbuilt magnetic mechanism for 2 Stylus
Interface	Communication through USB
Touch Resolution	32767 x 32767
Sensor Type	Touch IR

Touch Disable	Touch On/Off feature available
Touch Response Time	15 ms
Screen Type	Anti-glare, anti-crack resistant with 7 H hardness and scratch resistant
Dual Pen Recognition	Real-time lag free response rate with 2mm tipped pens, write simultaneously with different colours thicknesses, automatically pen detect diameter 8mm, 2mm
Touch and Writing	10 writing and 20 points Touch

Software Features

Integrated image search from internet, Search Light, Screen Curtain, inbuilt browser, screenshot, magnifier, calculator, soft keyboard, Clock, Stopwatch, Geometry Tools, Screen recording, integrated webcam, Desktop Annotation, White board with different backgrounds and colours, Cloud storage, Cloud Download, Page management system. Multiple numbers of images available with internet like nature, sport, Daily necessity, animals. ort documents/contents, Interactive software of the Touch Display can detect the Visual Presenter and, Multitouch enable or Disable, Switching between presentation & Preparation modes, Marker, Paint Brush, Highlighter, Laser Pen, Artificial intelligent Pen, Shape Pen, Magic Line Pen, Different sizes available with region eraser, Shapes, Text, Generic consist of (shapes,3DShapes, Arrows & Tables), Annotation of on video, PPT, PDF. Annotate on PC/ Laptop with the help of smart phone, New, Open, Save, save as, Import & Export (PNG, JPG, PDF, PPTX, IWB), Print, YouTube Drag & Drop, Magnifier, YouTube integration, Canvas moving, Inbuilt Animation libraries, Follow me AI, Complete Ecosystem om mobile, web & PC, Google for Education partner, Casting in & Casting out from Remote locations via browser, Android &iOS Apps

Special Features

Supports USB based PTZ cameras allowing Software based Video Conferencing, File download feature in smart phone just by scanning the QR code, save directly to Google drive and One Drive, In-built Quiz tool to allow participants to submit answers from their Smart Phones Answering/Voting/Messaging

Certifications

RoHS BIS, CE, FCC

Inbuilt Android 8 - Dual Core, 3 GB, 32 GB Storage Memory

Accessories

AC Power Cord, User Manual, Remote Control, USB Interface Cable, Stylus x

2, Wall Mount Bracket

Webcam - USB based - Pro 2KCAM-U

Technology	CMOS
IR Remote control	All parameters of camera can be remote controlled
Interface	USB 2.0/3.0
Field of View	120°
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Resolution	1920 x 1080
Sensor	2MP
Backlight Compensation	Available
Digital Noise Reduction	2D, 3D
Microphone	Built in automatic gain algorithm, noise suspension, beamforming microphone array with up to 6 meters audio pickup distance
Zoom	4x
Video resolution	4KP@60/50fps, 720P@60/50fps, 1080P@30/25fps
Low Light Image sensor	Reduce image noise 2D, 3D noises algorithm and clear image in dim light conditions
AI Tracking	Powered Person Tracking Auto Framing
Certification	RoHS, BIS, CE

Digital Language Lab - Sanskrit, Hindi, English (1)

License	The proposed software has Life Time Perpetual License
Secured Login	Instructor's main interface is password protected
Management Login	Management's interface is password protected and can access to teacher's and students' real time activities, etc.
OS & Hardware Support	Supports Windows, Linux, IOS & Android. Work on Desktop/Thin/Zero Client

	System.
Mobile Apps	Android & IOS supported Mobile App, many instructor and learner activities can be conducted
External Media	Instructor can use any external storage device like USB, CD/DVD, etc.
Multi Languages	Compatible with multiple Languages. User can use same dashboard for all the languages English, Hindi & Sanskrit. Single ID for learner for all 3 languages.
English Multimedia Content Learning Levels	Available from class III to X. with 8 levels of learning. Available from Basic to Intermediate and Advanced. Content based on CEFR and should cater to- i.A1 Beginner ii.A2 Elementary iii.B1 Intermediate iv.B2 Upper Intermediate v.C1 Advanced vi.C2 Mastery Content is Interactive and multimedia based. Has audio and video, etc.
English Multimedia Content Learning Levels	Based on LSRW. Focusses on the exact pronunciation of a word, recording is possible and then comparison between the recorded and original sounds. Has speech spectrograph for graphical visualization. Based on neutral (Indian) accent. Comes with jaw and tongue movement animations for all the sounds, Consists of words glossary. and components to work on <ul style="list-style-type: none"> • Intonation • Word stress • Syllables <p>It caters to the basics of English grammar using animated situations and related practice exercises. Easy for teachers to use.</p>
Teaching Pedagogy (Methodology)	Based on the 'Blended Learning' mechanism, ILT and CBT. Predefined lesson plans. The Instructor can create tasks for students. The Instructor has the option to assign the same task to all the students or different tasks to different students of the same batch.

Sounds	Has Proper articulation for all 44 sounds of English
MTI	Has Mother Tongue Influence (MTI) removal tool
Self Assessment	Has self assessment & send the exercise to teacher for evaluation
Pronunciation	Has sample lessons, words, pronunciation sounds, videos, etc.
Comprehension	Has lesson plan with focus on expressions, situational dialogues, exercises with comparisons & assessment, etc.
Resource Material & Training	<p>Training on-</p> <ul style="list-style-type: none"> • Usage of all the features • Various aspects of language on its teaching pedagogy • Proper detailed trainer manuals • In depth description of the teaching procedures. •Classroom reference material • Training videos in the software. • Videos on mobile app • Students reference material / workbooks
Student Material	It has Students material in the form work books integrated with the content.
Pre Recorded media	It has Audio / Video recorded files from Poetry Masters, Speeches, Lectures, Documentary, etc.
Hindi Multimedia Content	Multimedia content has Hindi Vowels and Consonants, Words etc.
Hindi through English	It has Content for learning Hindi Alphabets, Pronunciation, Anuswara & Nasalization, Accent, Pronouns & Nouns, Order of Words, Standard Devanagari Script, etc.
Hindi Literature	Comes with reference to Hindi literature, poetry, poems, etc.
Hindi Grammar	It has Hindi grammar like: Alankar, Chand, Idioms, Synonyms, etc.
Picture Gallery	It has Multimedia gallery like: Animals, Body Parts, Colours, Communications, Costumes, Festivals, etc.
Knowledge bank on Indian	It has details about Indian culture & heritage, Vedas, Upanishad, Ramayana, Mahabharata, Shrimad Bhagavata Geeta, other Literatures, Dance, Music,

Culture & Heritage	Ayurveda, etc.
Sanskrit language content concept	It helps in learning Sanskrit from basics onwards, Self-paced activities
Vocabulary Builder	Comes with flash cards,Has multiple categories with 200+ words and synonyms. Has meanings for words in English and Hindi, Has Brain Games for exercising Sanskrit.
Sanskrit Language Lesson Plan	It has Lesson plans and Learning mode and the Practice mode. it has Sanskrit Sandhis through animations, charts, tables, interactive exercises, etc. Based on LSRW Helps in building your Vocabulary for using the language.
Licensed User Terminals	License for 20 terminals
Reports & Analysis	Instructor's dashboard - Classes assigned, Students performance report details. Report about individual learner's activities. Generates reports about the usage of the software by each of the instructor. Instructor can also listen to the recorded exercises, can give remarks. Generates centralized report for Administrators.
Intercom	Two way intercom communication between instructor & learner is available.
Broadcast	Instructor can broadcast text message is available
Audio Supervision	Instructor can listen to any students recording is available
Chat	Instructor can send alerts to student through Text Chat or Audio Chat is available
Assignments	Instructor can create assignments & broadcast to the class. Given expiry and starting date
AV Lessons	Instructor can create personal audio video lesson contents.
E-exam	Paperless e-exam with automatic submission of answer sheets is available
Audio modulation	Graphical representation on the recorded audio of the learner is available
Accent	The entire teaching - learning content is available in neutral accent.

E-Books

Instructor can upload PDFs and writing assignments.

Accessories

Installation with all standard Accessories as applicable of Digital lab.