



Subharti Medical College

Recognized by Govt. of India, Ministry of Health & Family Welfare, Govt. Letter No. U.12012/69/96-ME(P)
Website: medical.subharti.org, e-mail: medical@subharti.org, Ph.: 0121-3055000 (Extn: 2146), Telefax: 0121-2439127, 2439067

A constituent college of

SWAMI VIVEKANAND SUBHARTI UNIVERSITY

(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(f) of UGC Act 1956)



Office of the Principal & Dean

No. SMC/GEN/M-60/8040

Date: 31.10.2020

To,

The Registrar
Swami Vivekanand Subharti University
Meerut

Sub: MOU.

Sir,

With facilitation of Dr. Krishna Murty, Secretary, MTV Buddhist Religious & Charitable Trust and concurrence of Advisor Sir, a MOU is signed between Subharti Medical College, Meerut & M/s Visible Body Pvt. Ltd., Gurugram, HR for virtual teaching of Anatomy to MBBS students.

The copy is send to you for information & official record.


(Dr. A. K. Srivastava)
Principal & Dean

Copy to:

1. The Hon'ble Vice-Chancellor, SVSU
2. The CEO, Mam
3. The Secretary, MTV Buddhist Religious & Charitable Trust.


(Dr. A. K. Srivastava)
Principal & Dean



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Office of the Principal & Dean

No. SMC/GEN/M-60/8037

Date: 26.10.2020

Memorandum of Understanding

This Memorandum of Understanding is executed on 26th day of October, 2020 between the parties mentioned below at Subhartipuram, NH-58, Delhi-Haridwar Bypass Road, Meerut, UP:-

01. **Subharti Medical College, Subhartipuram, NH-58, Meerut**

Through **Dr. A.K. Srivastava, Principal & Dean.**

herein after called, **FIRST PARTY**

AND

M/s Visible Body Pvt. Ltd. 305-C, Iris Tech Park, Sec.-48, Sohna Road, Gurugram-122018, HR

Through **Mr. Vipin Chopra Director**

Herein after called the **SECOND PARTY**

Now both the parties have agreed upon the following terms and conditions:-

01. That the Second party will supply and install a Cadaver Digital Skill Lab-3D AR/VR Type-1(as per catalogue provided) integrated with Competency based Assessment module of Visible Body's 3D Courseware (Premade & Post lab) licenses for Anatomy & Physiology for in-class/lab and online teaching and suitable for a seating capacity of 24 students as a BOMT Build, Operate, Manage and Transfer (BOMT) project.
02. That the total price of the supply and installation of Cadaver Digital Skill Lab-3D AR/VR Type-1 is fixed at Rs 43.80 Lacs (Rupees Forty Three Lacs Eighty Thousand only) plus GST. The price includes AMC (includes annual renewal of licence) till the entire period of agreement.
03. That the estimated student price is fixed at Rs 125,000+ GST per enrolment valid for a period of 5 years for that enrolled candidate. The same may be increased after mutual consent of both the parties on a yearly basis considering the inflation rates. The student deliverables of the program will be offered as an option of education loan as per Enclosure 3. The amount will be taken from the students by the second party only and the first party will not be involved or responsible for the taking the amount. However, the Second Party will give a list of students and the payment made by them, to the First Party on monthly basis.
04. The Cadaver Digital Skill Lab-3D AR/VR Type-1 would be loaded with Visible Body's 3D Courseware (Premade & Post lab) licenses for Anatomy & Physiology to be used for imparting lessons (in-class/ lab and online modes).
05. That in order to support NMC "Curriculum Implementation Support Program" (CISP) for sensitizing the faculty on the competency based UG curriculum especially for Anatomy & Physiology, the second party shall provide FREE training to the faculty under its "Training the Trainer" initiative. A certificate would be issued to the Trainers after successful completion of the training on the Features and Methodology of CBA & Skill Program-A&P (Pre & Post Lab).



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06. That the role of the First Party is limited to providing support as follows:
- 1000 Sq.ft. of space duly fitted with AC, Power Supplies with backup, Lighting and Wi-Fi connectivity.
 - An appropriate place to set up an Education Desk in the Administration Office to present to the students, eBooks and 3D Courseware powered by Visible Body, USA and various Skill Training and Certification Courses in digital medical technologies.
 - The college of the First party shall facilitate and share the admission details of all its students for enrolment process each year during the entire term of the agreement.
 - The college of the first party will also provide a suitable space for banners and facilitate distribution of brochure / flyers in the campus and through college emails.
07. That the Second party offers to operate and manage an integrated **CBA & Skill Program-A&P (Pre & Post Lab** consisting of 3D Courseware) to suit **Competency Based UG Curriculum** for Anatomy & Physiology as per MCI/NMC in order to equip the students with better skills from time to time using new technologies such as Telemedicine, AR/VR modelling, Surgical Simulations, Robotic Surgery and AI based learning & analytics tools. The UG Course will be conducted as on-site or on-line when sufficient number of students are enrolled for these courses. The Second party shall offer the integrated course using the Cadaver Digital Skill Lab-3D AR/VR Type-1 and the faculty resources. In order to sustain the support cost of the institution facilities, a Lease & Resource fee shall be paid as under.
08. That the above product is being offered under Build-Operate-Maintain-Transfer (BOMT) model with following terms & conditions:
- | | | |
|----------------------------------|---|--|
| a. Total Cost (Inclusive of GST) | : | INR 43.80 Lacs - (BOQ at Enclosure 1) |
| b. Mobilisation Advance | : | Rs 2.50 lacs along with LOI against a security Post dated cheque from the second party |
| c. Balance Payment | : | In 12 months' period in EMI (To be adjusted against Lease & Resource Fee) |
| d. Set up time | : | 90 days from Order (Enclosure 2) |
| e. Transfer of Ownership | : | 12 months from LOI or as agreed |
| f. Lease & Resource Fee | : | INR 1,25,000/- plus GST per student enrolment in the CBA Skill Program. |
| g. Student's Deliverables | : | Details placed at (Enclosure 3) |
| h. Taxes | : | TDS and GST applicable wherever necessary |
| i. Agreement Period | : | 10 years with one year notice in case of exit |
09. That the First party shall pay a commitment amount of Rs 2.50 Lacs as mobilisation advance for supply and installation of Cadaver Digital Skill Lab-3D AR/VR Type-1. The balance amount of Rs 41.30 plus GST shall be adjusted from Lease and Resource Fee. Till the balance cost is adjusted the institution shall be paid Rs 5,000/- per student enrolled. After full cost adjustment (recovery of the total cost by the second party) amount through the lease fee, the future sharing of the enrolment will be in the ratio of 40% to the first party.
10. That the ownership of the Cadaver Digital Skill Lab-3D AR/VR Type-1 shall be transferred to the first party within 12 months or after full cost adjustment, whichever is earlier. Till the full cost adjustment of the Skill Lab assets is effected, the same will continue to be under joint management and custody of both the parties. Lease & Resource agreement along with SLA shall be signed within 30 days.



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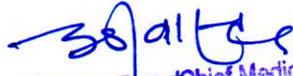
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11. That this MOU can be terminated by either party by giving 12 months notice to the other party.
12. That any claim, disputes shall be settled by both the parties through mutual discussions and cooperation. In case any unresolved dispute, the decision of the Hon'ble Vice Chancellor of swami Vivekanand Subharti University shall be final and binding on both the parties.
Both the parties to the MOU put their hands on this 26th day of October, 2020 herein as under:-

First Party

Subharti Medical College, Subhartipuram, NH-58, Meerut
Through Dr. A.K. Srivastava, Principal & Dean.


Principal/Dean/Chief Medical Superintendent
Subharti Medical College
Chhatrapati Shivaji Subharti Hospital
MEERUT

Second Party

M/s Visible Body Pvt. Ltd. 305-C, Iris TechPark, Sec.-48, Sohna Road, Gurugram-122018, HR
Through Mr. Vipin Chopra Director

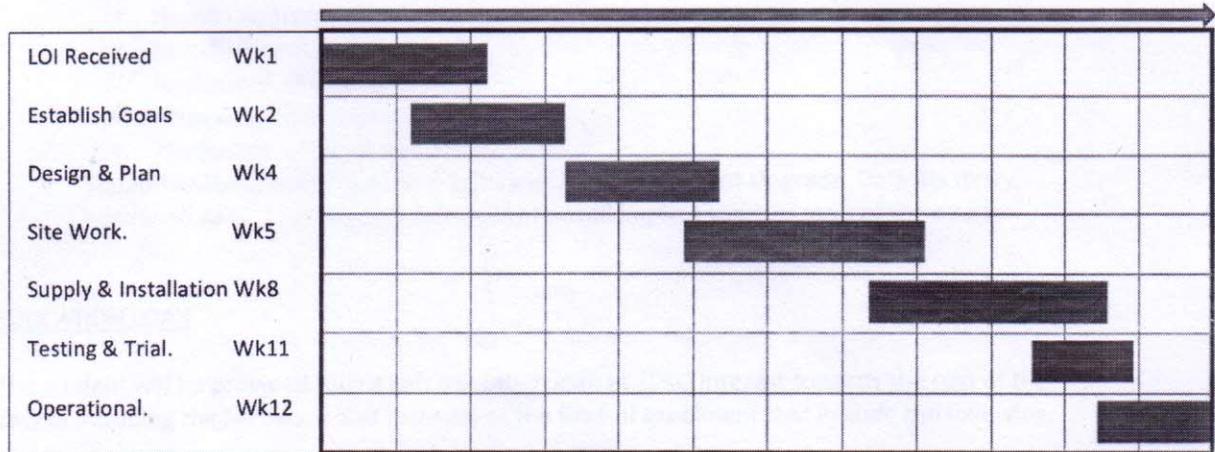

Visible Body Pvt. Ltd.
Director

Witnesses:

BOQ & COST BREAK UP
CLOUDATOMY CADAVER DIGITAL SKILL LAB-3D AR/VR TYPE-1

S.No.	Description	Specifications	Skillng Lab	
			Type 1 (DSL.VB)	
			QTY	Price
ARSMART LAB				
1	Engineering Project management	Layout, Design, Electrifications, Networking & Interiors-appx 1000sqft	1	36250
2	Indoor Signages	Resource & Content signages -12 units	1	36250
3	Interactive Workstation integrated with Software License ProBV and Application Resource (GA, A&P, MP, PP)	<p><i>All in One i5/8GB/1TB/60.9cm full Touch, UPS</i></p> <p><i>GA content including all body systems, gross anatomy, and select microanatomy.</i></p> <p><i>A&P an interactive content of structures and functions of each body system including 50 chapters.</i></p> <p><i>MP, a detailed guide to understanding how muscles and bones interact, and how common injuries and conditions occur.</i></p> <p><i>PP An interactive guide to core processes and common diseases of the human body.</i></p>	6	2366400
4	Instructor Audio Podium	Plug & Play (LED/3-SubWoofers/VHF Wireless Mic/Gooseneck Microphone)	1	40209
5	Ipad with AR Software License iOS with Application Resource (GA, A&P, MP, PP)	<p><i>Apple iPad (10.2-inch, Wi-Fi, 32GB)</i></p> <p><i>GA includes all body systems, gross anatomy, and select microanatomy.</i></p> <p><i>A&P an interactive introduction to the structures and functions of each body system including 50 chapters.</i></p> <p><i>MP, a detailed guide to understanding how muscles and bones interact, and how common injuries and conditions occur.</i></p> <p><i>PP An interactive guide to core processes and common diseases of the human body.</i></p>	1	85260
6	Integrated LCD Viewing System with Software License ProBV with Application Resource (GA, A&P, MP, PP) for Instructor	<p><i>GA includes all body systems, gross anatomy, and select microanatomy.</i></p> <p><i>A&P an interactive introduction to the structures and functions of each body system including 50 chapters.</i></p> <p><i>MP, a detailed guide to understanding how muscles and bones interact, and how common injuries and conditions occur.</i></p> <p><i>PP An interactive guide to core processes and common diseases of the human body.</i></p> <p><i>Touch LCD wall interactive 65" panel system with OEM integrated Document Camera, i5 7th Gen/8GB/1TB/Win.10 Pro & UPS)</i></p>	1	1046900
7	Modular Desks	Modular 4pax workstation 5 ft round	6	69600
8	Executive Chairs	Ergonomic Revolving Adjustable Executive Chair Mesh Low Back	24	208800
9	Glass Dry-Erase Frost Board	30"x17.5" with Industrial Electrophoresis aluminum alloy single frame	1	21750
Total				3911419
16		Project Management, design and consultancy		469370
Total without GST				4380789

SUPPLY & INSTALLATION PLAN
 CLOUDATOMY CADAVER DIGITAL SKILL LAB-3D AR/VR TYPE-1



DELIVERABLES

CBA& SKILL PROGRAM-A&P (PRE & POST LAB)

1. Student Online Courseware - 2 Semester A&P valid upto 2 years
2. Student eBooks integrated Hardware—iPAD (Lifetime) iOS IPAD 10.2" 32GB, WIFI
3. Student eBook Full Software license valid upto 5 years or term of the course
 - i. Human Anatomy Atlas
 - ii. Muscle Premium 7
 - iii. Anatomy & Physiology 5
 - iv. Physiology Animations 2.0
 - v. Physiology & Pathology
4. Support&Maintenance including Software Updates, Content Upgrade, Data Recovery, Hardware AMC, Logistics and Administration valid upto 5 years or term of the course.

EDUCATION LOAN

The student will be provided with a soft education loan at ZERO interest towards the cost of the course including the hardware and software at the time of enrolment that include the following.

Fees and Product Structure for the user is Rs 1,25,000 for 5 year term including Support&Maintenance.

Fee/Loan Amount: 100% of fees can be taken as loan by the User. This facility includes all types of payment due to the Medical Technology Service Provider such as Admission fee, Registration fee, Tuition fee, Software Updates, Content Upgrade, Data Recovery, Hardware AMC, Logistics and Administration etc.

Tenure of Loan:

Customer can choose to pay the loan in 8, 12, 18 or 24 monthly instalments with ZERO Processing fee

Sr.	Maximum Loan Tenure	Flat Interest borne by User
1	8 Months	0%
2	12 Months	0%
3	18 Months	4.55%
4	24 Months	4.83% per annum

RESOURCE ASSIGNMENT CONTENT integrated on iPad	Student eBooks
Human Anatomy Atlas	It has hundreds of pre-set 3D model sets. Use them for a lab dissection activity, or to have students review names, pronunciations, definitions, and locations. Augmented reality is available on the mobile app to turn any room into an anatomy lab. Search for content by browsing the main sections of the app. General views are organized by region or body system. The other app sections provide more specific content: Cross-sectional anatomy paired with diagnostic imaging, microanatomy of the senses, moving muscle actions, gross anatomy lab views, and dental anatomy. The Atlas Practice Quizzes are also available in the Quiz Bank and can be assigned for a grade. All this content can be browsed by using the search feature too!
Anatomy & Physiology	includes visual step-by-step introductions to each body system's anatomy and function. Map to your lesson's learning objective by navigating to the unit for a body system and then browsing the chapters and assets; or use the checklist to browse for content by learning objective. Each objective is followed by links to the assets that present it. The practice quizzes are great for student self-assessment. Note, that they do not feed into the Gradebook.
Muscle Premium	includes hundreds of pre-set 3D model sets that introduce details about muscle attachments, innervation, blood supply, and common actions. There are also common conditions and a musculoskeletal pathology video series featuring subject matter experts presenting on adhesive capsulitis, plantar fasciitis, osteoarthritis of the knee, and more. Pre-set views in the Normal Anatomy section review regions and muscle groups in that region. Assigning any view gives students quick access to all the landmarks for a specific bone and all the origin and insertion information for specific muscles. There is an Index that organizes the pre-set views in alphabetical order. The practice quizzes are great for student self-assessment and do not feed into the Gradebook.
Physiology Animations	has 50-second animations you can assign to introduce or review normal function and common conditions. The normal function animations are the same as the ones in Anatomy & Physiology. The pathology content is unique to this app. It's easy to browse by using the physiology and pathology buttons at the bottom of the screen.

METHODOLOGY & FEATURES CBA & SKILL PROGRAM-A&P (PRE & POST LAB)

Methodology of Teaching: AR/VR SMART SKILL LAB integrated with proprietary software with 3D models in-lab exercises, as a part of the lectures can create offline & online labs or in-lab exercises with virtual models that provide alternatives to real specimens and plastic models. The learning environment is provided on a standard hardware specifically for self-learning by the students. These applications are visual & interactive.

All enrolled students will get access to graded 2 semester study course material including integrated Android Tab with 3D resource applications. Institution to provide expert faculty on using Augmented Reality on the Course linked applications.

Features

- Cadaver lab technology
- 3D Anatomy through models and animations
- Functional anatomy
- Online interactive anatomy lab quizzes
- Visual and interactive lectures on the human body
- Virtual anatomy labs and dissection
- Interactive, self-paced anatomy and physiology lessons, terminology and definitions.
- Assignment creation from 3D interactive content from software
- Over 1,000 dissection and MCQ questions
- Online Track student performance in a gradebook