



YENEPOYA

(DEEMED TO BE UNIVERSITY)

Recognized under Sec 3(A) of the UGC Act 1956

Accredited by NAAC with 'A' Grade

**7.3.1 Portray the performance of the Institution in one area
distinctive to its priority and thrust**

Any other relevant information

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
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University Road, Deralakatte, Mangaluru-575018

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Advanced Comprehensive Clinical Training and Simulation Center(ACTS-YEN)

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Introduction to ACTS-YEN

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ADVANCED COMPREHENSIVE CLINICAL TRAINING AND SIMULATION CENTER

1. INTRODUCTION


Advanced Comprehensive Clinical Training and Simulation Center (ACTS-Yen) is a unique Centre and the largest state-of-the art simulation facility in the country with the latest simulators in the offering. Integrating simulation, in graduate and post graduate curriculum, should facilitate more ethical training with least harm and discomfort to patient. Multi-disciplinary & team training for emergency situations will result in better team dynamics, communication and behavioral skills and more realistic training. It's bring the gap between technology and use of technology in advanced teaching in healthcare. It emphasis the cardinal objective of healthcare system to focus on more patient safety and it can achieve only by reducing medical errors . It is state of the art facility with high fidelity manikins 'and task trainers for end to end hands on skill training for all the kinds of healthcare providers. Yenepoya University aims at integrating skill development and simulation training into the existing curriculum by using innovative technology.


ACTS YEN caters to all students and faculty health care professional of Yenepoya University and also aims to impart basic skills like Basic life support to the community at a large. The focus is on providing skills training which leads to value addition.

2. 2 Infrastructure and location

Yenepoya University Simulation centre and skills laboratory - **Advanced Comprehensive Clinical Training And Simulation Centre (ACTS YEN)**, was commissioned in January 2016. ACTS YEN is located in the Emergency Medicine Department Building on the 8th floor. It boasts of a state of the art infrastructure, centrally air conditioned complex spread over more than 9,000 square feet, well equipped with a wide range high fidelity mannequins and virtual reality simulators. It also has an indoor auditorium with capacity to accommodate 250 people and two debriefing rooms.

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Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575018

There are five High fidelity simulators, three Virtual Reality Simulators and several blue phantoms mannequins, adult and baby half body mannequins for basic and advanced cardiac life support training, Ophosim, Otosim and Ultra sound simulators. ACTS YEN also houses Anatomage or Virtual dissection table. Several task trainers are also available for improving the skills of students and trainee health professional.

3.1 Organization structure

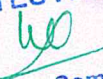
Core team of ACTS-YEN

1. Two chief coordinators
Dr.Meghna Mukund
Dr.Rashmi Jain
2. Two biomedical engineers cum Admins
Ms.Kajal KK
Ms.Sreya M
3. One attender
Mr.Rupesh Kumar

Reporting structure

Chief coordinators are reporting to Dean, Yenepoya Medical College and others in team reports to chief coordinators.

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List of coordinators from various departments and institutions

| SI No | Name | Designation | Department |
|-------|------------------------|---------------------|--------------------|
| 1. | Dr.Bindhu S | Associate Professor | Anatomy |
| 2. | Dr.Qudusia Sultana | Assistant Professor | Anatomy |
| 3. | Dr.AshwiniDutt | Associate Professor | Physiology |
| 4. | Dr.Saiqa R Shah | Assistant Professor | Biochemistry |
| 5. | Dr.Navyasree | Assistant Professor | Pharmacology |
| 6. | Dr.Rouchelle C Tellis | Associate Professor | Microbiology |
| 7. | Dr.Shubhah Sudhakar | Assistant Professor | Pathology |
| 8. | Dr.VenkatkrishnaShenoy | Assistant Professor | Forensic Medicine |
| 9. | Dr.Rashmi S | Assistant Professor | Ophthalmology |
| 10. | Dr.Shruthi S | Assistant Professor | General Medicine |
| 11. | Dr.Prasad Nayak | Assistant Professor | Pediatrics |
| 12. | Dr.Adarsh K M | Assistant Professor | Radio Diagnostics |
| 13. | Dr.Irfan | Assistant Professor | Pulmonary Medicine |
| 14. | Dr.AmeenaAsfiya | Assistant Professor | Dermatology |
| 15. | Dr.RavichandraAsfiya | Assistant Professor | Psychiatry |
| 16. | Dr.Thippeswamy H G | Assistant Professor | Anesthesiology |
| 17. | Dr.Natasha | Assistant Professor | General Surgery |
| 18. | Dr.SanjayNagappaKoppad | Assistant Professor | General Surgery |
| 19. | Dr.Jeevan Pereira | Assistant Professor | Orthopedics |
| 20. | Dr.Mehnaz | Associate Professor | OBG |
| 21. | Dr.Archana Vikram | Senior Resident | OBG |
| 22. | Dr.Mehfooza | Assistant Professor | OBG |

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14/3/20
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High fidelity simulators

1. Human Patient Simulator
2. Metiman Simulator
3. Maternal Fetal Simulator
4. Infant and Pediatric Patient Simulator

Virtual Reality Simulators

1. Laparoscopic- VR simulator
2. Endoscope- VR simulator
3. Cathlab- VR simulator
4. Vimedix Ultrasound- VR Simulator
5. ENT and Ophthal Simulator

Blue Phantom

Anatomage Table

Nursing Mannequin

Task Trainers

1. Surgical Suturing Arm
2. IV arm
3. Clinical Female Pelvic Trainer
4. Intubation Head
5. Rectal Examination Trainer
6. Breast Examination Trainer
7. IM injection Trainer
8. CPR Mannequin Adult and pediatric

ATTESTED

Handwritten signature

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17/3/20

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Yenepoya Medical College Hospital
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Geotagged Photographs of skill lab facilities

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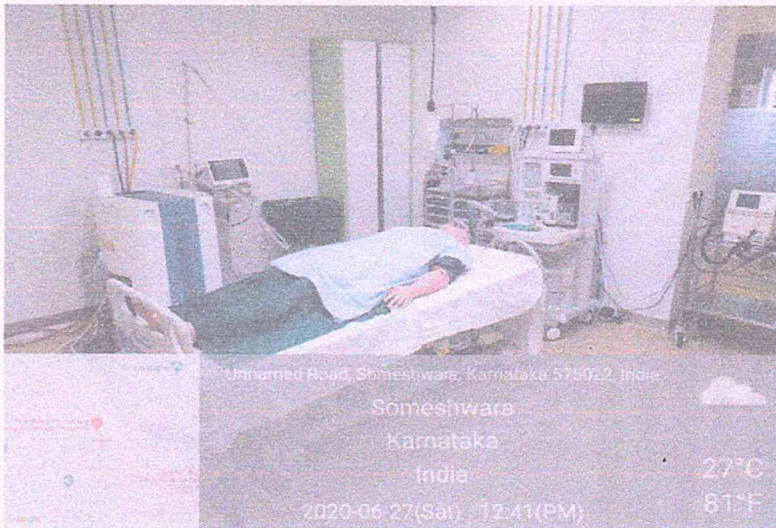


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GEOTAGED PHOTOGRAPHS OF SKILL LAB FACILITIES

HIGH FIDELITY SIMULATORS

1. Human Patient Simulator(HPS)



2. Paediatric Simulator

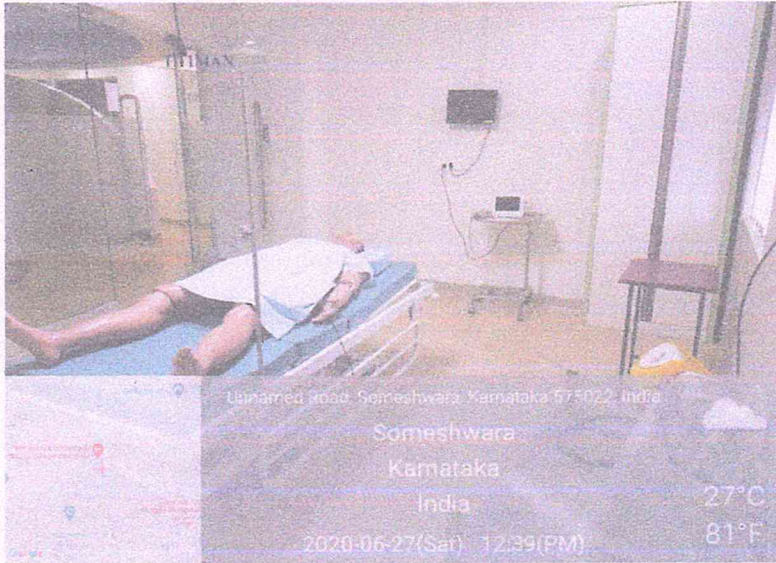


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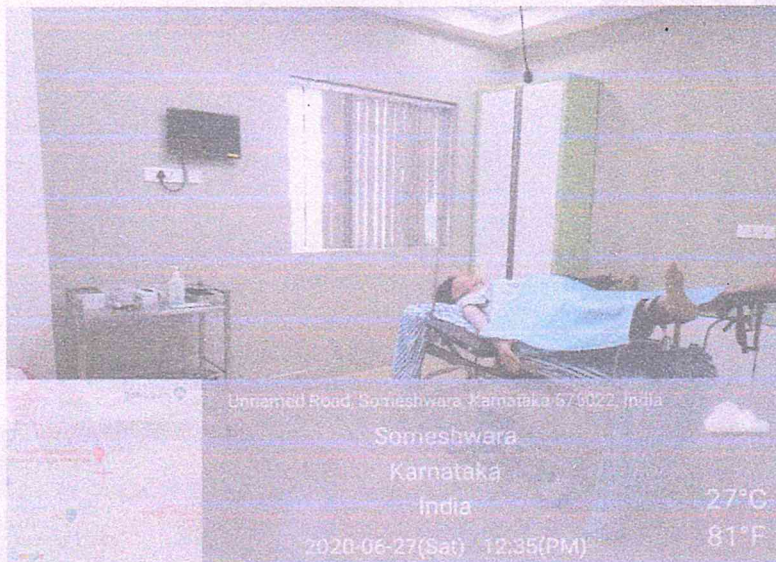
[Signature]
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[Signature]
7/13/20-
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
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Phone: +91 824 2204667

3. Metiman



4. Maternal Fetal Simulator(MFS)



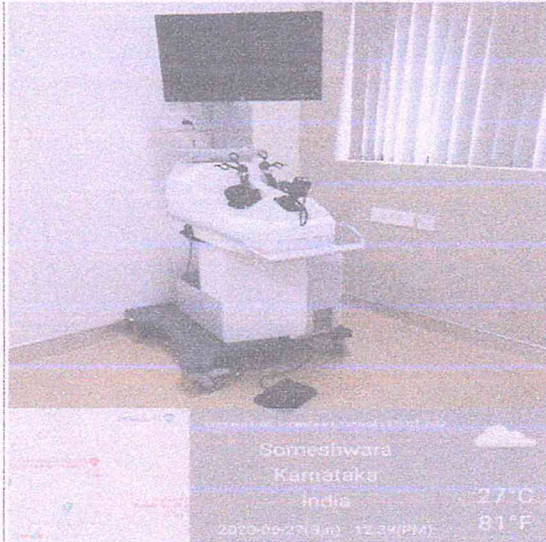
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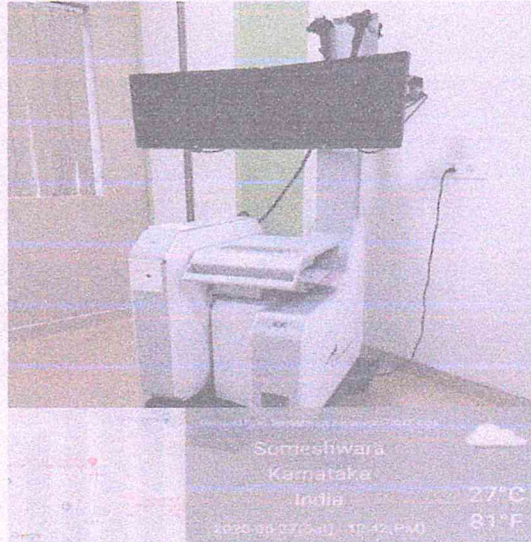
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
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VIRTUAL REALITY SIMULATORS

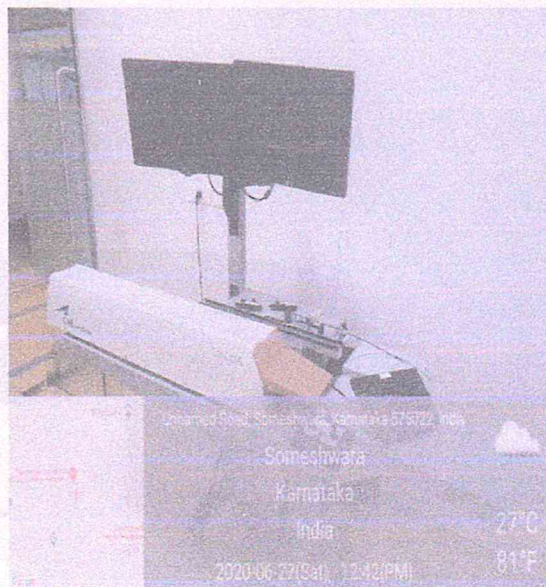
1.Laparoscope trainer



2.Endoscope trainer



3.Cathlab



4.Blue Phantoms



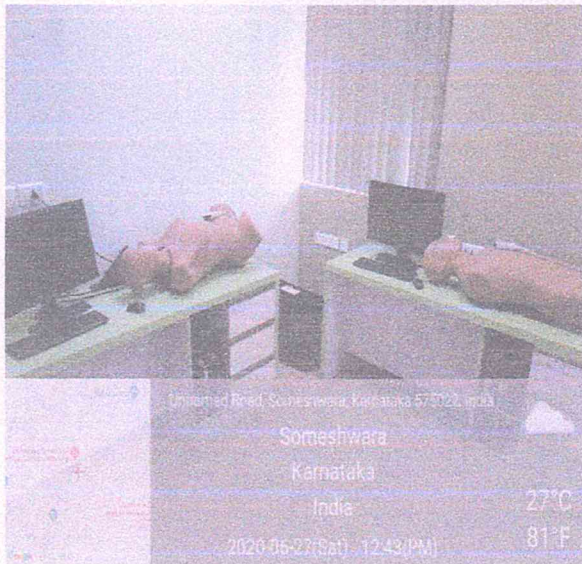
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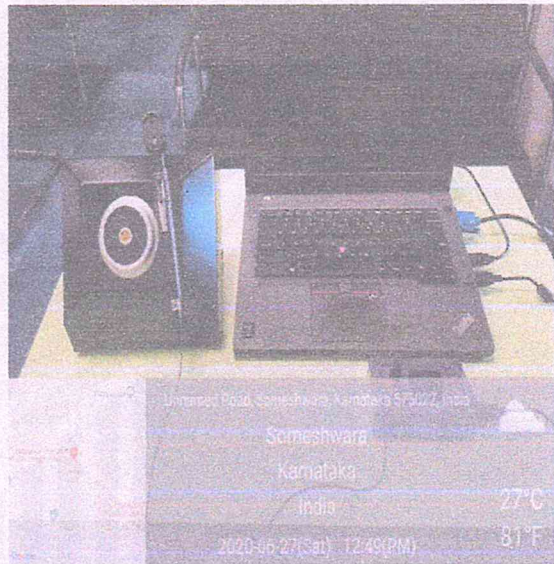
17/3/20

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5. Ultra sound



6. Ophthal/Oto sim



VIRTUAL DISSECTION TABLE

Anatomage Table



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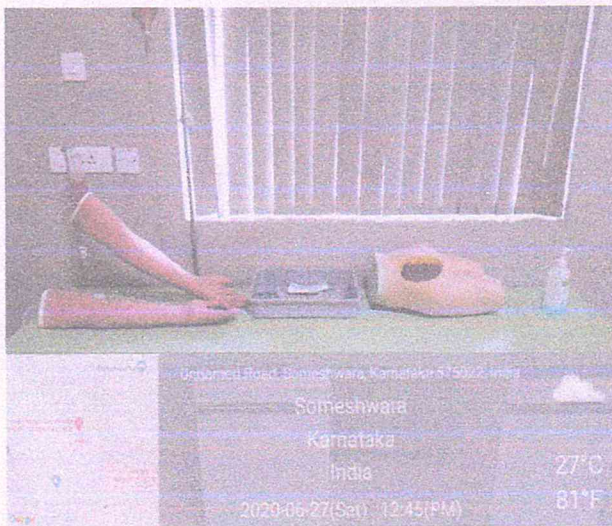
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TASK TRAINERS

1.IV & IM Injections



2.Intubation head



3.Rectal Examination



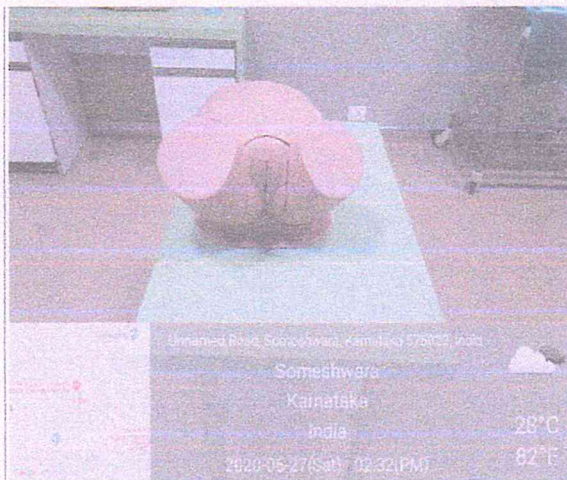
4.Breast Examination



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5. Female pelvic trainer



6. Suturing



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Advanced Comprehensive Training and
Simulation Centre (ACTS-YEN)
Equipment list

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ADVANCED COMPREHENSIVE CLINICAL TRAINING AND SIMULATION
CENTER (ACTS-YEN)

Equipment List

| SL.No | Equipment Name | Make | Model | Serial No. | Quantity | Year of purchased |
|-------|---------------------------------------|-----------|--------------------|-------------------------|----------|-------------------|
| 1 | Baby Simulator & Paediatric simulator | CAE | BAB-200 & PECS-300 | UN95789471 BABBY550 | 1 | 2016 |
| 2 | HPS | CAE | HPS-010 | UN95789471 HPS881 | 1 | 2016 |
| 3 | Anaesthesia Machine | Mindray | Wato EX-20 | DW 5A004254 | 1 | 2016 |
| 4 | Ventilator | Mindray | Synovent E3 | EC45001297 | 1 | 2016 |
| 5 | Endoscopic Unit | CAE | END-002 | UN95789471 UNIES0103 | 1 | 2016 |
| 6 | Cathlab Unit | CAE | CAT-001 | EV241 | 1 | 2016 |
| 7 | Laproscope Unit | CAE | LAP-003 | UN95789471 UNILAP97 | 1 | 2016 |
| 8 | Birthing simulator | CAE | MFS-100 | UN95789471 MFS0204 | 1 | 2016 |
| 9 | VIMEDIX-ECHO | CAE | VIM-006 | 1569 | 1 | 2016 |
| 10 | VIMEDIX-OBG | CAE | VIM-003 | 1550 | 1 | 2016 |
| 11 | Metiman | CAE | MMP-200 | UN95789471 MMP1226 | 1 | 2016 |
| 12 | 3D- Dissection table | Anatamage | | MTC08-0520 | 1 | 2016 |
| 13 | Ophthalmology Simulator | Otosim | | 168280 | 1 | 2016 |
| 14 | Otosim | Otosim | | 168610 | 1 | 2016 |
| 15 | Cardiac Monitor | Mediana | Leucon | 109713010035 | 1 | 2016 |
| 16 | Cardiac Monitor | Mediana | Leucon | 131212050001 | 1 | 2016 |
| 17 | Defibrillator | Mindray | Beneheart D3 | EL63025504 | 1 | 2016 |
| 18 | Defibrillator | BPL | DF2509 | BYMN6A7273 | 1 | 2016 |

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| | | | | | | |
|----|--------------------------------|------------------------|-----------------------------|------------------|---|------|
| 19 | Blue phantom | CAE | BPP-076,BPP-089, BPP-106 | | 3 | 2016 |
| 20 | Intubation head- paediatric | simulaid, true corp | | JR2130A22072016E | 2 | 2016 |
| 21 | IV ARM | 3b Scientific GMBH | | | 1 | 2016 |
| 22 | Rectal Examination model | Limbs&things | | | 1 | 2016 |
| 23 | PV Examination model | Limbs&things | | | 1 | 2016 |
| 24 | Breast examination model | 3b Scientific GMBH | | L5104163 | 1 | 2016 |
| 25 | Intramuscular injection | Nasco life form | | LF00961-2493 | 1 | 2016 |
| 26 | Nursing mannequin | Nasco life form | | 10163 | 1 | 2016 |
| 27 | Intubation head -Adult | Nasco life form | | 10457 | 1 | 2016 |

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Service Agreements

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महाराष्ट्र MAHARASHTRA

2018

TD 122972

About file

श्रीमान मुद्रांक कार्यालय, मुंबई
प.मु.नं.क ८००००९४
- 9 MAR 2018
समान अधिकारी

SERVICE AGREEMENT

This Service Agreement ("Agreement") is made on this 21st of January, 2019 by and between; Yenepoya (deemed to be a University) Medical Simulation Lab, an educational institution, deemed university having its office at Advanced Comprehensive Training and Simulation Center (ACTS-YEN), Yenepoya (Deemed to be University) Simulation Lab, University Road, Deralakatte, Mangaluru Pin: 575018 Karnataka (hereinafter referred to as "Service Provider" which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the One Part

AND

ABBOTT INDIA PRIVATE LIMITED, a company incorporated in India under the Companies Act, 1956 and having its Registered Office at 3, Corporate Park, Sion-Trombay Road, Chembur, Mumbai – 400071, and having its corporate office at Floor 18, Godrej BKC, Plot No. C – 68, BKC, Near MCA Club, Bandra (E) Mumbai – 400 051, through its healthcare solutions division (hereinafter referred to as "Client/ Abbott") (which expression shall unless it be repugnant to the content or meaning thereof include its successors and assigns and its legal representatives)

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[Signature]
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Service Provider and Client are hereinafter referred to individually as "Party" and jointly as "Parties".

WHEREAS:

- A. Service Provider is, inter alia, engaged in imparting training for educational purposes to doctors and healthcare professionals on various therapy areas and medical disciplines
- B. Client is engaged in the business of manufacturing and marketing pharmaceutical products.
- C. Client expressed its interest in associating with the Service Provider for obtaining the Services (as defined hereinafter) of the Service Provider. Service Provider is desirous of providing aforesaid Services to the Client and represents that it has the wherewithal and adequate, experienced and competent resources for rendering such Services;
- D. In view of the foregoing, Service Provider and Client have mutually agreed to enter in to this Agreement on terms and conditions mentioned herein below.

THEREFORE, in consideration of the foregoing and the mutual covenants and promises contained herein and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Parties intending to be bound legally, agree as follows:

1. SERVICES

- 1.1 Subject to the terms and conditions set forth in this Agreement, Service Provider shall:
 - a) provide the Services to Client as specified in Annexure - A hereto and in accordance with the requirements/specifications of the Client ("Services").
 - b) perform the Services in a competent and professional manner with all reasonable skill, accuracy and care in accordance with good industry practice and the Services shall be performed by individuals who have sufficient training, expertise for the task at hand.
 - c) not engage itself in activities that would prevent or hinder the performance of its obligations under this Agreement.
 - d) be solely and exclusively responsible for and arrange and bear costs of such equipment's, materials as Service Provider considers necessary to render effectively Services as required by the Client.
 - e) be solely and exclusively responsible and liable for payment of salaries, wages and all other statutory dues of the staff who are employed by it for the purpose of rendering the service required by the Client under this Agreement and shall

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maintain proper books of accounts, records and documents and comply with all statutes, rules and regulations which are applicable to it for the fulfillment of the terms of this Agreement.

- f) shall not engage in any activities related to the Services unless they are specifically permitted by or approved by Abbott in writing.
- g) assign the contact points as specified in **Annexure B** hereto, to ensure implementation of this Agreement and/or performance of its obligations herein. In the event of change in any such contact points, Service Provider shall provide reasonable prior notice to Client of the same.
- h) maintain proper books of accounts, records and documents during the Term and comply with all statutes, rules and regulations in relation to the performance of its obligations under this Agreement.
- i) not use the name of Client i.e 'Abbott' or any of its trade names or trademarks in any manner whatsoever except to the extent necessary for providing the Services hereunder. It is clearly understood and agreed that Client shall not in any way be responsible for the debts, liabilities or obligations of the Service Provider and/or its staff which are not approved by the Client and/or not related to this Agreement.
- j) Not engage in any activities other than the Services unless specifically approved or permitted by Client in writing in relation to this Agreement.

2. CONSIDERATION

- 2.1. In consideration of the Services to be provided by the Service Provider in accordance with the terms and conditions of this Agreement, Client agrees to pay Service Provider a total project fee of INR 30,000 /- per workshop ("Project Fee") as more particularly set out on **Annexure C** hereto. The tax component shall be clearly set out in the invoice.
- 2.2. The Service Provider shall promptly raise invoice for the Services rendered and in any case within 10 days of completion of the month. Abbott shall not entertain any bill, if it is not submitted within a period of 6 months. Payment shall be made within 90 (Ninety) days of receipt of invoice from Service Provider.
- 2.3. If Abbott disputes any invoice in whole or in part, then it shall notify the Service Provider of such dispute in writing within ten (10) working days of receipt of the invoice, and the Parties shall use all reasonable endeavors to settle the dispute within fifteen (15) days and the invoice amount shall be payable immediately on resolution of the dispute. Until such resolution of dispute, Abbott shall only pay undisputed portion of the impugned invoice in terms of this clause.
- 2.4. The invoice shall be raised by the Service Provider only for the agreed Services. If any additional incidental work is required to be undertaken by the Service Provider in connection with the Services, which would entail additional cost, the same shall

be first discussed between the Parties and undertaken by the Service Provider only upon written approval from the Client.

- 2.5. Service Provider shall produce duplicates of the supporting bills as proof along with original invoice of Service Provider for all costs incurred by it or its associates for the purpose of rendering the Services hereunder. However, during the Term of this Agreement when requested by the Client, within seven (7) days of such request by the Client, Service Provider shall produce the original supporting bills for Client's verification. Notwithstanding anything herein, Client shall not pay or provide reimbursement for any charges/expenses incurred without Client's written consent and shall require proof of expense, wherever possible, even when consent has been obtained. Out of pocket expenses shall be billed at actuals, provided that the same are with such pre-requisite approvals.
- 2.6. Client shall not be liable to pay any other amount whatsoever including by way of reimbursement to the Service Provider, other than the Project Fee towards the Services, and out of pocket expenses in the manner as set out under this Clause 2. Client shall not at any time during this Agreement be liable to make any separate payment/s to third party/ies to whom any part of the Services provided hereunder have been outsourced by the Service Provider which is principally required to be rendered by the Service Provider.
- 2.7. Each Party shall be solely responsible and shall pay in a timely manner, all direct and indirect taxes for which the respective Party is the taxpayer pursuant to applicable law pertaining to, arising out of or attributable to the transaction contemplated under this Agreement and also file all appropriate returns for the same.
- 2.8. Client will deduct applicable taxes (as D Y Patil university is exempted from GST, only 2% TDS will be applicable) at source before making payment of the invoice to the Service Provider and agrees to provide the relevant certificate to the Service Provider.

3. REPRESENTATIONS AND WARRANTIES

3.1. Representations and Warranties of each Party

For the purposes of this Agreement, each Party represents and warrants to the other that:

- a) It is a corporation duly organized, validly existing and in good standing under the laws of the jurisdiction in which it is incorporated.
- b) It has the corporate power and authority and the legal right to enter into this Agreement and to perform its obligations hereunder and has taken all necessary corporate action on its part to authorize the execution and delivery of this Agreement, and the performance of its obligations hereunder.

ATTESTED
[Signature]
Dr. Gangadhara Somayaji K.S.
Registrar
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- c) The execution, delivery and performance of its obligations under this Agreement do not and will not contravene any law, regulation, order, judgment or decree applicable to it or conflict with or result in any breach or default under any agreement, instrument, regulation, license or authorization binding upon it or any of its assets, any confidentiality, non-compete or similar or other obligations with any person or entity or party.

3.2. Representations and Warranties of Service Provider

For the purposes of this Agreement, Service Provider represents and warrants that:

- a) It has the necessary rights, experience, resources, competence and power to execute, deliver and perform its obligations under the Agreement and all necessary authorizations and other sanction has been taken to authorize such execution, delivery and performance.
- b) it will perform and is capable of performing the Services consistent with the professional skill, care, and diligence exercised by entities licensed to provide (where required under applicable laws) and regularly providing comparable Services and work on projects of similar size, complexity, design, and cost, and always in accordance with Good Industry Practice.

“Good Industry Practice” for the purposes of this clause shall mean those practices, methods, techniques, standards, skills, diligence and prudence which are generally and reasonably expected from a reasonably skilled and experienced entity engaged in the same type of undertaking or activity as the Service Provider under this Agreement, and which would be expected to result in the performance of obligations by the Service Provider in accordance with this Agreement.

- c) In the performance of its obligations under this Agreement, it will comply with all central, state and local laws, regulations and guidance documents including, but not limited to, privacy and data protection laws, regulations and guidelines; tax laws and regulations; labour laws and regulations, including laws relating to anti-corruption and anti-bribery such as the United States Foreign Corrupt Practices Act, 1977, United Kingdom’s Bribery Act and anti-bribery laws in India, as amended from time to time. Service Provider shall obtain and keep in full force and effect any licenses, certifications, permits or registrations necessary for Service Provider to carry out its business activities and Services provided under this Agreement.
- d) neither the Services nor any materials, deliverables provided under this Agreement shall have any defects. In case of any defects in any deliverables due to reason solely attributable to the Service Provider then the Service Provider shall rectify the same within mutually agreed timelines.
- e) it has valid licenses, authorizations, permissions, consents, approvals required under applicable laws or otherwise and is under no conflicting obligations to enter into this arrangement and to render the Services and provide the deliverables in accordance with this Agreement.

APPROVED
Dr. Gangadhara Somayaji K.S.
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University Road, Deralakatte
Mangalore-575 018, Karnataka

- f) there are no pending claims, actions, suits or proceedings against it or affecting any of its assets and there has been no event or occurrence which in each case, might reasonably be expected to have a material adverse effect on its ability to perform its obligations hereunder.
- g) the Services or deliverables provided under this Agreement will not infringe on any copyright, trademark, trade secret or other intellectual property right of any third party and during the performance of its obligations under this Agreement, it shall not use the trademarks, copyrights or any other intellectual property of a third party or provide the same to Abbott without due authorization consent or license of such third party. Service Provider agrees to defend, indemnify and hold harmless the Client, its parent, subsidiaries, affiliates, employees and representatives, for all costs and expenses associated with the defense or settlement of any claim, that the Services infringe a patent, copyright, trademark, trade secret or other intellectual property right and shall pay any judgments or settlements costs based thereon.
- h) it is the lawful owner of all materials used by it in the performance of the Services contemplated hereunder that have not been provided by Client; such materials have been lawfully acquired by the Service Provider and Service Provider has the right to permit Client use of such materials.
- i) it shall not make any payment on behalf of Client to any doctors, healthcare professionals or their equivalents except as approved by the Client for the purpose of and in connection with rendering Services hereunder.
- j) it shall, neither by itself nor through any persons employed or acting on its behalf (including employees, directors, agents, consultants, or approved subcontractors) give, offer, or promise to give, directly or indirectly, or accept, receive or agree to accept or receive anything of value (including, but not limited to, money, services, product samples, commissions, contributions, fees, gifts, bribes, rebates, payoffs, travel expenses, entertainment, influence payments, kickbacks or any other payment), regardless of form, to any person (including the Professionals) to secure a business advantage, to obtain or retain business or to direct business to or away from any entity.
- k) it shall not provide any facilitation, expediting, or grease payment to any Government Official to expedite or secure the performance of routine government actions.
- l) neither it nor any of its officer, director or employee or any of its affiliate's ("Representatives"), is a Government Official. If at any time during the Term of this Agreement, Service Provider anticipates that any Representative has or may become a Government Official, Service Provider will immediately notify Abbott in writing, providing relevant details of the relationship and either (i) certifying that such individual will not perform the Services hereunder or (ii) the precautions Service Provider shall put in place to ensure no improper advantage shall arise or be implied from individual's position as a Government Official. At its sole discretion, Abbott may give its written consent and require Service Provider to such additional

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conditions as Abbott may determine. If, for any reason, Abbott is unable or unwilling to consent to the relationship and Service Provider proceeds, Abbott may terminate this Agreement by written notice to the Service Provider.


- m) For the purpose of this Agreement, the term “**Government Official**” means any officer or employee of a Government Authority or any department, agency or instrumentality thereof, including state-owned and state-controlled entities, or of a public international organization, or any person acting in an official capacity for or on behalf of any such government, department, agency, or instrumentality or on behalf of any such public international organization. “**Governmental Authority**” means any foreign, domestic, federal, territorial, state or local governmental authority of any nature, or body exercising, or entitled to exercise, any administrative, executive, judicial, legislative, police, regulatory, customs, immigration, or taxing authority or power of any nature. Officers and employees of government hospitals, research institutions, universities, and other healthcare institutions or facilities are Government Officials for purposes of this Agreement.
- n) Violations of sub clauses (i), (j), (k) and (l) shall be deemed to be a material breach and shall entitle Abbott to terminate this Agreement with immediate effect and without payment of any compensation.

4. PROVIDED ITEMS

Client may supply Service Provider with confidential information, materials and related information for use in the Services (collectively “**Provided Items**”). Service Provider agrees that all Provided Items are the sole property of the Client. Service Provider disclaims any rights to the aforementioned Provided Items and will assert no claim, copyright, patent or otherwise, to their use, development and/or production. Service Provider shall use the Provided Items solely for the Services under the terms of this Agreement and the relevant statement of work/Deliverables, not employ them for any other purposes, and not provide them to any third party without Client’s prior written consent. Service Provider shall not place any lien or encumbrance on any Provided Items while in Service Provider’s possession, and shall not allow any third party to place any such lien or encumbrance on any Provided Items.

5. INDEMNITY

- 5.1. Service Provider agrees to indemnify and shall at all times hold Client, its directors, officers, employees, (each a “**Client Indemnified Person**”), harmless and indemnified at all times hereafter, from and against any loss, liabilities, claims, damages, costs, including reasonable attorney’s fees and legal costs (incurred whether in protection or defense) to which the Client Indemnified Person may be subjected, arising on account of and/or by reason of (i) breach by the Service Provider of the terms and conditions of this Agreement including but not limited to the representations and warranties contained in this Agreement; (ii) any infringement of any third party rights including Intellectual Property Rights; (iii)

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acts or omission involving wilful misconduct, fraud, gross negligence on the part of the Service Provider or its directors, employees, representatives.

- 5.2. In the event of a claim, action or allegation for which indemnification is requested; the Client Indemnified Person as the case may be, will promptly notify the other in writing, of such action, claim or legal proceeding. Each Party agrees to provide opportunity to other Party to participate in any compromise, settlement or resolution or disposition of such action, claim or suit provided that any such participation shall be only with prior consent of Abbott. Subject to an agreement to maintain the confidentiality of records, papers or other information, each Party agrees to make available to the Client Indemnified Person as the case may be, any relevant records, papers or information and shall co-operate in such defense as reasonably required.

6. TERM AND TERMINATION

6.1. Term

This Agreement shall come in force from 21st February 2019 (“Effective Date”) and will be valid up to 20th February 2020 (“Term”). Abbott shall be entitled to terminate this Agreement by giving thirty (30) days’ written notice to the Service Provider with assigning reason whatsoever. On expiry of the Term, the Agreement may be renewed if mutually agreed to in writing by both Parties on mutually acceptable terms and conditions.

6.2. Termination

Notwithstanding anything contained herein, Abbott shall at its sole and absolute discretion, be entitled to terminate this Agreement forthwith by giving written notice if:

- a) if in the opinion of Abbott (which shall not be called in question by the Service Provider and shall be binding on the Service Provider) Service Provider has caused Material breach of this Agreement and the breach remains uncured for a period of thirty (30) days after notice of the breach without prejudice to any other rights and remedies available to Abbott under this Agreement or by law or in equity; or
- b) if Service Provider suffers any insolvency proceeding, either voluntary or involuntary, or is adjudicated bankrupt or makes any assignment for the benefit of creditors. Such termination will not relieve Service Provider in proceedings from liability for the performance of its obligations arising prior to such termination and will be in addition to all other rights and remedies Abbott may have available to it under this Agreement or at law or in equity.
- c) For the purposes of this clause, “Material breach” shall mean event in which either Party fails in any respect to perform or exercise or comply with any of its deliverables, warranties, rights and obligations respectively or where either Party causes or may cause adverse effect upon the other Party’s ability to fulfill the terms of this Agreement.

6.3. **Effects of Termination:**

Termination of this Agreement for any reason shall not release either Party hereto from any liability which, at the time of such termination, has already accrued to the other Party or which is attributable to a period prior to such termination, and will not preclude Abbott from pursuing all rights and remedies it may have.

Upon termination of this Agreement for any reason:

- a) the Parties shall immediately take steps to bring the performance of their obligations under this Agreement to a halt in a safe and orderly manner but with all reasonable speed and economy;
- b) Either Party will as soon as practicable cease to use and promote the other Party's trademarks, logos and brands, if any;
- c) Either Party shall, notwithstanding any lien or any other right to withhold the same, immediately shall cease use of any confidential information provided to it by the disclosing Party to perform its obligations under this Agreement and return / destroy (as instructed by the disclosing Party) all confidential information provided under this Agreement;
- d) The Parties will mutually prepare and settle the accounts in terms of this Agreement each Party shall promptly deliver to the other Party or otherwise dispose of in accordance with the other Party's directions copies of all documents, records and other property supplied by or on behalf of the other Party as may be in its possession;
- e) If the termination is due to reasons attributable to the Client, then the Client shall, within 90 (Ninety) days from the receipt of invoice, clear all payments as may have been incurred by the Service Provider in order to fulfill its obligations under this Agreement up to the date of termination.
- f) The provisions of indemnity, confidentiality and Intellectual Property Rights shall survive the termination of this Agreement.

7. **INTELLECTUAL PROPERTY RIGHTS**

- 7.1. Client's Intellectual Property Rights ("Client Property"): Any products or materials furnished by Client including the Provided items, trademarks, logos, associated trade dress and copyright in which Client has proprietary or beneficial interest and ideas, techniques, strategies and knowhow that may be discussed with Service Provider by Client during the Services Any material that Client may provide to employees or personnel or representatives of Service Provider to be used for delivering the Services shall be used solely for the purpose of rendering Services in accordance with instructions of Client and for no other purpose. Upon expiry or termination of this Agreement, Service Provider shall instruct the

associates / consultant to make necessary arrangement for prompt return of such material or deal with all such material in accordance with the instructions from Client.

- 7.2. Service Provider's Intellectual Property Rights. Client acknowledges and agrees that Service Provider shall retain sole and exclusive ownership of (i) all products, materials, concepts owned by Service Provider or in which Service Provider has a proprietary interest in perpetuity. Service Provider's proprietary intellectual property includes but is not limited to Service Provider's copyrighted and trademarked and consulting materials; and (ii) artists engaged by the Service Provider, ("Service Provider Property"). Service Provider Property is not considered work product or "work for hire" under the terms of this Agreement. In consideration of the obligations contained under this Agreement, Service Provider further grants Client a non-exclusive, perpetual and irrevocable license to use Service Provider Property in conjunction with the materials developed under this Agreement solely for full enjoyment or utilization by Client or its affiliates of the deliverable and solely in the manner as mentioned herein. In the event that use of third party intellectual property is necessary for the development of deliverables by Service Provider and for full and perpetual enjoyment or utilization by Abbott of such deliverables, Service Provider hereby warrants that it shall obtain from the third party, necessary permission/ consent/ license for the development by Service Provider of the deliverables and for its full and perpetual enjoyment and utilization by Abbott.
- 7.3. Materials Developed for Client. The Parties hereby acknowledge and agree that the intellectual property rights in the services and deliverables developed by the Service Provider under this Agreement and as may be more particularly specified in the Annexure A shall be owned by the Client and the Service Provider shall not have any rights of any nature whatsoever in the same. It is clarified for the avoidance of doubt that such Services and deliverables shall not include any Service Provider Property or Client Property or any third party intellectual property. The Service Provide or its employees or representatives shall do all such acts or execute all such documents as may be required to perfect the title of the Client in the Services and deliverables.
- 7.4. The rights and obligations stated above shall survive any expiry or termination of this Agreement. Except as specifically authorized in this clause neither Party will use the other Party's brands, name, trademarks or logos without the prior written consent of the other Party. The Parties agree that a Party's brand name and logo shall at all time be used only in connection with the Services and deliverables.

8. TRAINING

- 8.1. Service Provider shall be responsible for training its personnel and any other person who is involved in provision of the Services under this Agreement on anti-bribery and anti-corruption at its own expense. Such training shall include the provisions of the applicable anti-bribery and anti-corruption laws and the standards

set out in the Client's Anti-Bribery Policy. Upon request from the Client, the Service Provider shall promptly provide copy of the training material and the training attendance sheets (including name and qualification of the trainer) to the Client.

- 8.2. Service Provider shall also require its employees rendering Services under this Agreement to undergo training by the Office of Ethics and Compliance team of the Client at a date and time mutually agreed to upon by the Parties after signing of this Agreement.

9. SERVICE PROVIDER'S EMPLOYEES


- 9.1. The employees, laborers, workmen and other personnel of the Service Provider will at all times be deemed to be the employees, laborers, workmen and personnel of the Service Provider, and the Service Provider will be solely responsible to comply with all applicable employee/labour laws, regulations and attain required registrations, including payment of all salaries, benefits, contributions, etc. payable in respect of such employees, laborers, workmen and personnel.
- 9.2. The Service Provider shall ensure that all of its employees, labourers, workmen and other personnel shall observe good conduct and discipline, including following all relevant safety procedures and protocols.

10. CONFIDENTIALITY

- 10.1. Confidential Information: For purposes of this Agreement, the term "**Confidential Information**" shall be deemed to include all information and materials furnished by either Party in connection with the Services, and marked and designated as confidential at the time of its disclosure including, without limitation, all information transmitted in writing, visually or on magnetic media, and including all organizational information, system architecture, software, graphics, computer programs, design ideas, concepts, flow charts, diagrams, progress reports, methods research and any other personal or intellectual property relating to either Party, its respective parent or subsidiaries. "Confidential Information" as defined herein shall not include:
- a) any information that is already in the public domain at the time of its communication thereof to either Party by the other Party;
 - b) any information, which enters the public domain, through no fault of the receiving Party, subsequent to the communication of such information to the receiving Party;
 - c) any information which is obtained in good faith by either Party from a third party; or;
 - d) any information independently developed by employees or agents of a Party without access to the Confidential Information of the other Party.

- 10.2. All Confidential Information disclosed by the disclosing Party shall remain the property of the disclosing Party and shall be returned to such Party upon termination of this Agreement, upon written request by such disclosing Party.
- 10.3. Nondisclosure: Each Party agrees and acknowledges that it shall have no proprietary interest in the Confidential Information of the other Party and will not disclose, communicate, nor publish the nature or content of such information to any person or entity, nor use, except as authorized in writing by the disclosing Party, any of the Confidential Information it receives, acquires or obtains from such Party, except, to employees, consultants or third parties as necessary to carry out its obligations or rights under this Agreement. Each Party shall immediately advise its employees and others, as the case may be, to whom the Confidential Information is disclosed to maintain the confidentiality of the same and shall take reasonable steps to ensure that the Confidential Information is securely maintained. Each Party shall notify the other upon discovery of any unauthorized use or disclosure of that other Party's Confidential Information.
- 10.4. Legally Compelled Disclosure. If either Party becomes legally compelled to disclose any of the Confidential Information, such Party shall provide the other with prompt notice thereof, if reasonably possible and legally permitted, and shall not divulge any information, until the non-disclosing Party has had the opportunity to seek a protective order or other appropriate remedy to curtail such disclosure. If such actions by the non-disclosing Party are unsuccessful, or the non-disclosing Party otherwise waives its right to seek such remedies, the disclosing Party shall, to the extent permissible under law, disclose only that portion of the Confidential Information which is legally required to be disclosed.
- 10.5. Service Provider shall ensure that it adopts appropriate technical and organizational measures to protect the personal information of persons to whom Services are being provided under this Agreement against accidental or unlawful destruction or accidental loss or damage, alteration, unauthorized disclosure or access and against all other unauthorized or unlawful forms of use as required by any applicable privacy law and in particular Information Technology (Reasonable security practices and procedures and sensitive personal data or information) Rules, 2011.
- 10.6. The Parties recognize the importance of this Clause and, therefore, in the event of a breach of this Clause, the non-breaching Party shall be entitled to obtain, without opposition, injunctive relief to prevent the further dissemination of the Confidential Information.

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11. INDEPENDENT CONTRACTOR STATUS

- 11.1. The relationship of Service Provider, and Client shall be that of an independent contractor rendering professional services. Service Provider shall have no authority to execute contracts or make commitments on behalf of the Client. Nothing contained herein shall be deemed to create the relationship of employer and employee, or principal and agent, joint venturer or partner between Service Provider and Client.
- 11.2. Further, Service Provider recognizes that in view of its status as an independent contractor, neither it nor its employees or agents will be entitled to participate in or receive any benefits normally granted to Client's employees. The employees of Service Provider shall at all times remain employees of Service Provider and there is no employer-employee relationship between Service Provider's employees, and Client. The Service Provider shall be solely responsible to comply with all applicable employee/labour laws including payment of all salaries, social security benefits, contributions, etc. payable in respect of Service Provider's employees. If the Service Provider's employees make any demand for their being absorbed by Client or making any payments by Client, the Service Provider undertakes to support Client in resisting the same.
- 11.3. Service Provider shall be responsible for and shall indemnify and hold harmless Client and its directors and employees, against all claims and proceedings arising in connection with its employees, relating to (a) payment of salaries and social security benefits; (b) withholding of all payroll taxes; (c) non-compliance and/or delay in compliance with any law or regulation relating to employment of any employees, of the Service Provider in connection with the Services; (d) Service Provider's failure or refusal to provide all the rights, emoluments and facilities which are required to be provided to its employees, by law.
- 11.4. The Service Provider shall ensure that all of its employees working in connection with providing services to the Client shall observe good conduct and discipline at all times during this Agreement.

12. ASSIGNMENT AND SUB-CONTRACTING

- 12.1. The benefits and obligations of this Agreement shall not be directly or indirectly assigned or dealt with by the Service Provider without the prior consent in writing of Abbott.
- 12.2. Service Provider shall not use, hire or engage one or more sub-contractor/s to perform any or all of its obligations under this Agreement without prior written consent of Abbott. In the event Abbott approves such engagement of sub-contractor/s, Service Provider shall ensure that it will use same degree of care in selecting any such sub-contractor/s as it would, if such contractor was being retained to provide similar services to the Service Provider. Service Provider shall in all cases remain responsible for all its obligations under this Agreement with

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respect to the scope of the Services and shall ensure the compliance by the sub-contractor/s with the terms and conditions of this Agreement. Any acts of the sub-contractor/s shall be deemed to be acts of the Service Provider and Service Provider shall be responsible and liable for all acts or omissions of the sub-contractor/s.

13. SEVERABILITY

- 13.1. If any provision of this Agreement shall be found by any court or Government or administrative body of competent jurisdiction to be invalid or unenforceable, the invalidity or un-enforceability of such provision shall not affect the other provisions of this Agreement and all provisions not affected by such invalidity or un-enforceability shall remain in full force and effect.

14. FORCE MAJEURE

- 14.1. Neither Party shall be liable for any failure to perform any of its obligations under this Agreement if the performance is prevented, hindered, delayed by a Force Majeure Event and in such case its obligations shall be suspended for so long as the Force Majeure Event continues. Each Party shall promptly inform the other of the existence of a Force Majeure Event and shall consult together to find a mutually acceptable solution. For the purposes of this clause "Force Majeure" includes any event due to any cause beyond the reasonable control of the concerned Party including but not limited to unavailability of any communication system, sabotage, fire, flood, earthquake, explosion, civil commotion, strikes or industrial action of any kind, riots, insurrection, war, act of Gods, actions of the Government/Judicial/Local Authority.

15. NOTICE

- 15.1. All notices and communications to be given by any Party to the other Parties in connection with this Agreement shall be in writing and in English. Such notices may be given by courier or by email addressed as follows:

- (i) If to **Abbott India Private Limited**
Kind attn.: Director, Legal
Address: As first hereinabove written
Phone: +91 22 38160866
Email: abbottindialegal@abbott.com
- (i) If to : **Advanced Comprehensive Training and Simulation Center(ACTS-YEN),Yenepoya (Deemed to be University)**
Name: Dr Gangadhar Somayaji
Kind attn: Dr Gangadhar Somayaji
Address: University Road, Deralakatte, Mangaluru – 575018 Karnataka
Phone: 0824 220 6000
Email: arunsnath@yenepoya.edu.in

16. ENTIRE ARRANGEMENT

This Agreement supersedes all oral and written representations and arrangements between the parties including, but not limited to any earlier agreement relating to the subject matter hereof.

17. AMENDMENT

Either Party shall have the right to effect additions or alterations to the terms and conditions herein contained but no such addition or alteration shall be valid and binding unless signed by the authorised representatives of each of the Parties.

18. TIME OF THE ESSENCE

Time is the essence of the Agreement and non-performance of the Services as per the agreed timelines shall give Client right to terminate the Agreement.

19. RIGHT TO WITHHOLD PAYMENTS

Abbott shall have the right to withhold the payment or set-off or make recoveries from the claims or payments due to Service Provider in respect of any payments or damages or dues that may be owed to Abbott, including due to infringement of statutory obligations.

20. QUARTERLY SERVICE LEVEL REVIEW

A joint review shall be carried out on quarterly basis as agreed between Parties to assess the progress of the Services herein provided. In the event Abbott finds progress levels dissatisfactory, Abbott may terminate the Agreement.

21. NOTICES

All notices under this Agreement shall be in writing and shall be served either by hand delivery or by sending the same by registered post addressed to either party at the last known place of business and in proving the service of such notice it shall be sufficient to show that the same has been received in person or properly addressed by registered post.

22. GOVERNING LAW AND JURISDICTION

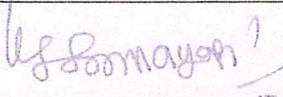
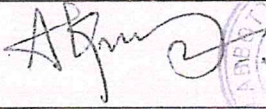
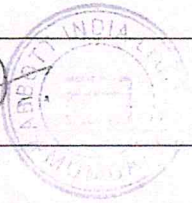
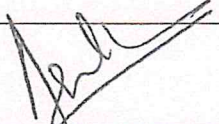
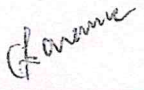
This Agreement and the relationship between the Parties hereto shall be governed by, and interpreted in accordance with, the laws of India. The courts **ATTESTED** in Mumbai shall have exclusive jurisdiction in relation to all matters arising out of this Agreement.

23. NO QUID PRO QUO

Neither this Agreement, nor any payment hereunder, is in exchange for any explicit or implicit agreement or understanding between the Parties for recommendation or otherwise arrangement for, or provision of any business for Client's products. Service Provider shall not offer or give a sponsorship, gift, meal, entertainment, or anything else of value in exchange for an explicit or implicit agreement or understanding that Client or Client affiliate products will be used, purchased, ordered, recommended, or prescribed, or that Client, its affiliates or their products will receive any favorable treatment.

IN WITNESS WHEREOF the Parties hereto have executed these presents the day and year written first hereinabove.

SIGNED AND DELIVERED by on behalf of

| | |
|---|--|
| Yenepoya(deemed to be university) ACTS-YEN | ABBOTT INDIA PRIVATE LIMITED |
|  Registrar Yenepoya (Deemed to be University) |   |
| Name: Dr Gangadhar Somayaji | Name: Mr Aritra Das |
| Designation: Registrar | Designation: Portfolio Marketing Head |
|  |  |
| Name: Mr Arun S Nath | Name: Clarence Dsouza |
| Designation: Accounts Department | Designation: National Key Account Manager |

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Registrar
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Mangalore- 575 018, Karnataka

ANNEXURE A

Details of services

1. Time schedule

Services are to be provided from 21st February 2019 until 20th February 2020

Date of each workshop will be planned as per mutual comfort of both parties.

2. Services :

ACTS-YEN, (deemed to be university) Simulation Centre will provide their services for

- Coding of the modules into the simulation system of the simulation laboratory of ACTS-YEN, Deemed to be university and finalizing the simulation workshop course agenda by 10th Jan 2019 (as this has already been finalized)
- Conduct and execute **two** batch of workshop at Simulation Centre Laboratory of ACTS-YEN, Yenepoya (deemed to be university) by 20th Feb 2020

Fees: (per workshop)

- 1) usage of simulation lab ----- 30,000 per day
- 2) meridian accommodation (max 4 pax) -----2,000 per day /apartment
- 3) food expenses (includes breakfast, lunch, high tea, dinner at Meridien) -----600/person
- 4) in house faculty fee -----5000/ faculty.

Local travel will be borne by us. Any within campus travel will be taken care by ACTS-YEN, Yenepoya university

Taxes extra.

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Mangalore-575 018, Karnataka

ANNEXURE B

Contacts points for Service Provider

- 1) Name: Mr Arun S Nath
Designation: Project Director
Email ID - arunsnath@yenepoya.edu.in

ANNEXURE C

Project Fees

Fees: (per workshop)

- 1) usage of simulation lab ----- 30,000 per day
- 2) meridian accommodation (max 4 pax) -----2,000 per day /apartment
- 3) food expenses (includes breakfast, lunch, high tea, dinner at Meridien
----- 600/person
- 4) in house faculty fee -----5000/ faculty.

Local travel will be borne by us. Any within campus travel will be taken care by ACTS-YEN, Yenepoya university

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American Heart Association.

International Training Agreement

Company Information:

| | |
|--|---|
| International Training Center ("ITC"): | Advanced Comprehensive Clinical Training and Simulation Center, Yenepoya University |
| Address: | University Road, Deralakatte, Mangalore, Karnataka 575018, India |
| Form of Organization: | Not for Profit / University |

This Agreement is between the American Heart Association, Inc. ("AHA"), a New York not-for-profit corporation, having its principal offices at 7272 Greenville Avenue, Dallas, Texas 75231-4596, and ITC.

IN CONSIDERATION of the mutual promises contained herein, the parties agree as follows:

1. **Term:** Beginning Date: November 21, 2019. Ending Date: November 21, 2022. This Agreement will be in effect for a period of Three (3) calendar years. It may be renewed for additional one (1) year periods by letter issued from AHA.

2. **AHA ECC Courses to be Taught by ITC:**

| | |
|----------------------|-------------------------------|
| Basic Life Support | Advanced Cardiac Life Support |
| Provider Course(s) | Provider Course(s) |
| Instructor Course(s) | Instructor Course(s) |

3. **Geographic Territory:** India

4. **Insurance:** \$1 million US

ITC will obtain and maintain at its expense, commencing upon the beginning date of this Agreement and during its entire term, liability insurance from a qualified insurance carrier, as set out above. This policy will specify that it may not be modified or canceled by the insurer, except after thirty (30) days prior written notice by the insurer. Upon execution of this Agreement ITC will provide the AHA with a certificate of insurance showing the required coverage.

5. **Copyrights:** ITC acknowledges and agrees that the AHA owns all copyrights in the ECC Materials, and ITC may not copy, or permit others to copy, distribute, perform or make derivative works based upon the ECC Materials, Course Completion Cards, or eCards.

6. **Marks:** ITC acknowledges the AHA's trademark rights and ownership of the name "American Heart Association", the heart-and-torch trademark and slogans (e.g., "Life is Why") (hereinafter "AHA Marks"). ITC will not use or display the AHA Marks. ITC shall not apply for any trademark registrations with respect to any AHA Marks or any marks similar to the AHA Marks.

7. **Entire Agreement:** This Agreement, including the terms and conditions set out on Page Two, contains the entire agreement between the parties relating to the rights granted and the obligations assumed.

EXECUTED by the parties on the date(s) set out below.

| | |
|----------------------------------|---------------------|
| American Heart Association, Inc. | |
| Signature: | <i>Keith Jansen</i> |
| Name: | Keith Jansen |
| Title: | SVP, International |
| Date: | November 21, 2019 |

| | |
|-------------------------------|---|
| International Training Center | |
| Signature: | <i>Dr. Gangadhara Somayaji</i> |
| Name: | Dr. Gangadhara Somayaji |
| Title: | Registrar |
| Date: | Yenepoya (Deemed to be University) Mangalore 575 018 |

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Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka

26.11.2019

8. Definitions:

(a) "Program Guidelines" means the current *Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care*, Program Administration Manual: Guidelines for Program Administration and Training (hereinafter "PAM"), and *AHA Instructor's Manuals*, as they may be amended and/or supplemented by the AHA from time to time.

(b) "Course Completion Cards" or "Cards" are defined as documents made available or provided by AHA, and which indicate a student's successful completion of a specified Course.

(c) "Course" or "Courses" are defined as those courses that follow the curricula of the AHA and teach emergency cardiovascular care according to the Program Guidelines.

(d) "ECC Materials" are defined as emergency cardiovascular care textbooks and materials published by the AHA.

(e) "eCards" means those electronic records that Training Centers may distribute to, or provide access to, students pursuant to Program Guidelines to indicate that the student participated in or successfully completed a Course.

(f) "Instructors" are individuals who have successfully completed AHA authorized Provider and Instructor training and who are authorized by ITC to teach Provider courses to other individuals.

(g) "Training Sites" are organizations engaged or authorized by ITC to teach Courses under the auspices of ITC.

9. ITC Role and Responsibilities:

(a) ITC will teach Courses only within the Geographic Territory, and agrees to do so in compliance with the Program Guidelines.

(b) ITC may contract with other entities (hereinafter "Training Sites") who agree to teach Courses under the direction and guidance of ITC. ITC assumes full responsibility for the actions and performance of the Training Sites, and will ensure that Training Sites teach in compliance with the Program Guidelines.

(c) Periodically, as requested by the AHA, ITC will provide the AHA with a current and accurate list of Training Sites, Instructors, the number of students taught, and such other information as may be requested by AHA but only to the extent allowed by local law and the terms of any applicable consent, if required.

(d) ITC will insure that each student has individual possession of an authorized Course-specific textbook before, during, and after training.

(e) ITC will be responsible for the issuance and security of Course Completion Cards and eCards as outlined in the Program Guidelines: (i) ITC will establish a system for ensuring that Cards are issued only to authorized Training Sites. (ii) ITC and its authorized Training Sites will only issue the appropriate course-specific Course Completion Card or eCard to each student who successfully completes the applicable Course.

(f) ITC will obtain any and all required licenses, permits or documentation and is solely responsible for compliance with all laws and regulations applicable to training activities conducted under this Agreement. ITC will obtain any required or appropriate consent from each student before sharing that student's name and Course completion information with the AHA through AHA's online systems (which systems may include data storage outside of ITC's Territory).

10. Relationship of Parties:

The parties acknowledge and agree that each is an independent entity and, as such, neither party may represent itself as an employee, agent, or representative of the other; nor may it incur any

obligations on behalf of the other party.

11. Termination:

(a) The Agreement may be terminated by either party, without cause, upon sixty (60) calendar days' prior written notice.

(b) Either party may terminate this Agreement if the other party breaches any term or condition of this Agreement and fails to cure the breach within thirty (30) calendar days after receipt of written notice by the non-defaulting party. The following will also constitute breach or default under this Agreement: (i) Failure to exist or operate as a legal entity or to maintain an office address; or (ii) Assignment for the benefit of creditors, becoming generally insolvent, being placed in receivership or the filing by or against a party of a petition for bankruptcy or for entity reorganization under any bankruptcy act or similar statute.

(c) The AHA may terminate this Agreement upon written notice if it determines, in its sole discretion, that any of the activities permitted or contemplated under this Agreement pose a significant legal or business risk to the AHA.

(d) Notwithstanding anything to the contrary in this Agreement, AHA may terminate this Agreement if ITC or any Training Site conducts Courses in any country on which the United States government or other governmental entity (except those that are contrary to United States' laws), that (i) imposes sanctions that would prevent the AHA from conducting Courses either directly or indirectly in the country or (ii) for which ITC, Training Site or AHA must obtain a license from the applicable government to conduct Courses. If the United States government should impose sanctions on any country named in the Geographic Territory, the AHA at its option may (i) immediately terminate this Agreement as to that country in which event ITC and its Training Sites will immediately cease conducting Courses in the country, or (ii) may immediately terminate this Agreement in its entirety upon written notice to ITC.

(e) ITC will not distribute any AHA Course Completion Cards or eCards or designate itself, in any manner or any place, as an authorized ECC training center of AHA after this Agreement has been terminated or expired. In addition to any remedies by law or in equity available to AHA, ITC will pay the AHA Two Hundred Dollars (200 US\$) as a penalty for each Course Completion Card issued after termination or expiration of this Agreement. Upon termination or expiration of this Agreement, AHA shall have no liability or obligations to ITC, and ITC shall retain no rights under this Agreement.

12. Warranties:

(a) ITC warrants and represents to the AHA that as of the effective date and at all times during the term of this Agreement: (i) ITC, its agents, affiliates, members, representatives, distributors, contractors, and Training Sites will be in compliance with this Agreement, the provisions of the U.S. Foreign Corrupt Practices Act and all applicable U.S., local, state and federal laws and regulations, and applicable laws or regulations of any jurisdictions whose laws may apply; (ii) ITC is not a tobacco company, or a tobacco company corporate subsidiary or parent, nor does it receive revenue from tobacco products. "Subsidiary" and "parent" are defined as an entity in which there exists a direct or indirect Five Per Cent (5%) or greater ownership interest by a tobacco company.

(b) EXCEPT AS EXPRESSLY SET OUT IN THIS AGREEMENT, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE.

13. Indemnification and Liability:

(a) ITC will indemnify, defend and hold harmless

the AHA and its directors, officers, employees, agents, distributors, members, volunteers, successors and assigns from and against all suits, proceedings, actions, demands, claims, losses, liability, damages or expenses (including reasonable attorneys' fees and legal costs) arising from (i) ITC's performance or breach of its obligations under this Agreement, (ii) ITC's operation activities and/or distribution of Course Completions Cards, (iii) any breach or alleged breach of ITC's representations or warranties, (iv) any act or omission of ITC in any country in the Geographic Territory, and (v) any act or omission of Training Sites, Instructors, ITC's affiliates, agents, partners or representatives.

(b) The AHA will not be liable for any indirect, special, consequential or incidental damages, including lost profits or any other kind of damages, even if it has been warned of the possibility of such loss or damage. In no event will the AHA's liability under this Agreement exceed \$1,000 (US\$).

14. Force Majeure: Neither party will be in default under this Agreement, if such results, whether directly or indirectly, from fire, explosion, strike, freight embargo, vis major, or of the public enemy, war, terrorism, civil disturbance, act of any government, de jure or de facto, or agency or official thereof, labor shortage, transportation contingencies, unusually severe weather, default of manufacturer or a supplier, quarantine restrictions, epidemic, or catastrophe.

15. Notices: Any notice required or permitted under this Agreement, will be given in writing and will be deemed to have been duly given upon actual receipt if delivered personally or by courier with receipt obtained therefrom to the parties at their respective addresses.

16. Miscellaneous Provisions:

(a) This Agreement may not be assigned by ITC without the AHA's prior written consent.

(b) No amendment of this Agreement will be binding or enforceable on either party hereto unless in writing signed by both parties.

(c) Should any part, term, or provision of this Agreement be declared to be invalid, void, or unenforceable by a court of competent jurisdiction, all remaining parts, terms, and provisions hereof will remain in full force and effect, and will in no way be invalidated, impaired or affected thereby.

(d) This Agreement will be governed by the laws of the State of New York without regard to its conflict of laws provisions. Any controversy or claim arising out of or relating to this Agreement will be settled by arbitration in Dallas, Texas in accordance with the International Arbitration Rules of the American Arbitration Association. The language of the arbitration will be English. The arbitrators will have no authority to award punitive damages, and may not, in any event, make any ruling, finding, or award that does not conform to the terms and conditions of this Agreement. Judgment upon any award rendered through arbitration may be entered in any court having jurisdiction. Injunctive relief may be sought in any court of competent jurisdiction.

(e) This agreement contains the entire agreement between the parties and supersedes all prior written and oral communications. This Agreement will be written in and governed by the English language.

(f) AHA reserves the right to appoint other ITCs within the Geographic Territory.

(g) The following paragraphs and their subparagraphs will survive termination of this Agreement: 13 (Indemnification and Liability), 16(d) and 16(e)

Dr. Gangadhara S. Nayaji K.S.
Registrar
(Deemed to be University)
University Road, Derakakatte
Mangalore - 575 018, Karnataka



American Heart Association

life is why™

International Training Agreement

Company Information:

| | |
|--|---|
| International Training Center ("ITC"): | Advanced Comprehensive Clinical Training and Simulation Center, Yenepoya University |
| Address: | University Road, Deralakatte, Mangalore, Karnataka 575018, India |
| Form of Organization: | Not for Profit / University |

This Agreement is between the American Heart Association, Inc. ("AHA"), a New York not-for-profit corporation, having its principal offices at 7272 Greenville Avenue, Dallas, Texas 75231-4596, and ITC.

IN CONSIDERATION of the mutual promises contained herein, the parties agree as follows:

1. Term: Beginning Date: November 28, 2017. Ending Date: November 28, 2019. This Agreement will be in effect for a period of Two (2) calendar years. It may be renewed for additional one (1) year periods by letter issued from AHA.

2. AHA ECC Courses to be Taught by ITC:

| | |
|----------------------|-------------------------------|
| Basic Life Support | Advanced Cardiac Life Support |
| Provider Course(s) | Provider Course(s) |
| Instructor Course(s) | Instructor Course(s) |

3. Geographic Territory: India

4. Insurance: \$1 million (US\$)

ITC will obtain and maintain at its expense, commencing upon the beginning date of this Agreement and during its entire term, liability insurance from a qualified insurance carrier, as set out above. This policy will specify that it may not be modified or canceled by the insurer, except after thirty (30) days prior written notice by the insurer. Upon execution of this Agreement ITC will provide the AHA with a certificate of insurance showing the required coverage.

5. Copyrights: ITC acknowledges and agrees that the AHA owns all copyrights in the ECC Materials, and ITC may not copy, or permit others to copy, distribute, perform or make derivative works based upon the ECC Materials, Course Completion Cards, or eCards.

6. Marks: ITC acknowledges the AHA's trademark rights and ownership of the name "American Heart Association", the heart-and-torch trademark and slogans (e.g., "Life is Why") (hereinafter "AHA Marks"). ITC will not use or display the AHA Marks. ITC shall not apply for any trademark registrations with respect to any AHA Marks or any marks similar to the AHA Marks.

7. Entire Agreement: This Agreement, including the terms and conditions set out on Page Two, contains the entire agreement between the parties relating to the rights granted and the obligations assumed.

EXECUTED by the parties on the date(s) set out below.

| |
|---|
| American Heart Association, Inc. |
| Signature: <i>[Signature]</i> |
| Name: Michael Herbert |
| Title: Director, International Operations |
| Date: 11/28/17 |

| |
|--|
| International Training Center |
| Signature: <i>[Signature]</i> |
| Name: Dr. G. Shree Kumar Menon |
| Title: Registrar |
| Yenepoya University Mangaluru - 575 018 |
| Date: 04.12.2017 |

ATTESTED

8. Definitions:

(a) "Program Guidelines" means the current *Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care*, Program Administration Manual: Guidelines for Program Administration and Training (hereinafter "PAM"), and *AHA Instructor's Manuals*, as they may be amended and/or supplemented by the AHA from time to time.

(b) "Course Completion Cards" or "Cards" are defined as documents made available or provided by AHA, and which indicate a student's successful completion of a specified Course.

(c) "Course" or "Courses" are defined as those courses that follow the curricula of the AHA and teach emergency cardiovascular care according to the Program Guidelines.

(d) "ECC Materials" are defined as emergency cardiovascular care textbooks and materials published by the AHA.

(e) "eCards" means those electronic records that Training Centers may distribute to, or provide access to, students pursuant to Program Guidelines to indicate that the student participated in or successfully completed a Course.

(f) "Instructors" are individuals who have successfully completed AHA authorized Provider and Instructor training and who are authorized by ITC to teach Provider courses to other individuals.

(g) "Training Sites" are organizations engaged or authorized by ITC to teach Courses under the auspices of ITC.

9. ITC Role and Responsibilities:

(a) ITC will teach Courses only within the Geographic Territory, and agrees to do so in compliance with the Program Guidelines.

(b) ITC may contract with other entities (hereinafter "Training Sites") who agree to teach Courses under the direction and guidance of ITC. ITC assumes full responsibility for the actions and performance of the Training Sites, and will ensure that Training Sites teach in compliance with the Program Guidelines.

(c) Periodically, as requested by the AHA, ITC will provide the AHA with a current and accurate list of Training Sites, Instructors, the number of students taught, and such other information as may be requested by AHA but only to the extent allowed by local law and the terms of any applicable consent, if required.

(d) ITC will insure that each student has individual possession of an authorized Course-specific textbook before, during, and after training.

(e) ITC will be responsible for the issuance and security of Course Completion Cards and eCards as outlined in the Program Guidelines: (i) ITC will establish a system for ensuring that Cards are issued only to authorized Training Sites. (ii) ITC and its authorized Training Sites will only issue the appropriate course-specific Course Completion Card or eCard to each student who successfully completes the applicable Course.

(f) ITC will obtain any and all required licenses, permits or documentation and is solely responsible for compliance with all laws and regulations applicable to training activities conducted under this Agreement. ITC will obtain any required or appropriate consent from each student before sharing that student's name and Course completion information with the AHA through AHA's online systems (which systems may include data storage outside of ITC's Territory).

10. Relationship of Parties:

The parties acknowledge and agree that each is an independent entity and, as such, neither party may represent itself as an employee, agent, or representative of the other; nor may it incur any

obligations on behalf of the other party:

11. Termination:

(a) The Agreement may be terminated by either party, without cause, upon sixty (60) calendar days' prior written notice.

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(c) The AHA may terminate this Agreement upon written notice if it determines, in its sole discretion, that any of the activities permitted or contemplated under this Agreement pose a significant legal or business risk to the AHA.

(d) Notwithstanding anything to the contrary in this Agreement, AHA may terminate this Agreement if ITC or any Training Site conducts Courses in any country on which the United States government or other governmental entity (except those that are contrary to United States' laws), that (i) imposes sanctions that would prevent the AHA from conducting Courses either directly or indirectly in the country or (ii) for which ITC, Training Site or AHA must obtain a license from the applicable government to conduct Courses. If the United States government should impose sanctions on any country named in the Geographic Territory, the AHA at its option may (i) immediately terminate this Agreement as to that country in which event ITC and its Training Sites will immediately cease conducting Courses in the country, or (ii) may immediately terminate this Agreement in its entirety upon written notice to ITC.

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(b) EXCEPT AS EXPRESSLY SET OUT IN THIS AGREEMENT, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE.

13. Indemnification and Liability:

(a) ITC will indemnify, defend and hold harmless

the AHA and its directors, officers, employees, agents, distributors, members, volunteers, successors and assigns from and against all suits, proceedings, actions, demands, claims, losses, liability, damages or expenses (including reasonable attorneys' fees and legal costs) arising from (i) ITC's performance or breach of its obligations under this Agreement, (ii) ITC's operation activities and/or distribution of Course Completions Cards, (iii) any breach or alleged breach of ITC's representations or warranties, (iv) any act or omission of ITC in any country in the Geographic Territory, and (v) any act or omission of Training Sites, Instructors, ITC's affiliates, agents, partners or representatives.

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Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Derlakatte
Mangalore - 575 018, Karnataka

Installation/Service Report

ATTESTED



Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore - 575 018, Karnataka

Report No. : INSTALLATION / SERVICE REPORT DATE : 05/02/16

Customer Name : Yenepoya University

Address : Mangalore

Reference No. : _____ Invoice No. _____

SYSTEM INFO : () OUT OF WARRANTY () UNDER WARRANTY () SERVICE CONTRACT

MODEL Obgyn Ultrasound Simulator SERIAL NUMBER 1550 ADDITIONAL DETAILS

TYPE OF SERVICE RENDERED

- System Performance Checked
- Preventive Maintenance
- Software Updated/Reloaded
- Repairs Carried out
- System taken to Service Centre
- System Returned to Customer
- Training/Demonstration
-
-
-

PARTS TAKEN TO EMERGENT

PARTS GIVEN BY EMERGENT
CPU - SIN - 002 - 3330125
Curvilinear probe

SERVICE JOB DESCRIPTION

Done a complete installation of Obgyn Ultrasound simulator. Checked all accessories. according to packing list. System performance checked. System working OK.

Customer's Remark (if any)

Engineer's Remark (if any)

CUSTOMER'S NAME & SIGNATURE
[Signature]

ATTESTED
[Signature]
Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka

ENGINEER'S NAME & SIGNATURE
[Signature]
Anil Kumar R. Kubal

Report No. : INSTALLATION / SERVICE / REPORT DATE : 05/02/16

Customer Name : Yenepoya University
Address : Mangalore

Reference No. : _____ Invoice No. _____

SYSTEM INFO : () OUT OF WARRANTY () UNDER WARRANTY () SERVICE CONTRACT

MODEL Pediasim SERIAL NUMBER UNG5789471 ADDITIONAL DETAILS
Baby Sim BABY 5.50

TYPE OF SERVICE RENDERED

- System Performance Checked
- Preventive Maintenance
- Software Updated/Reloaded
- Repairs Carried out
- System taken to Service Centre
- System Returned to Customer
- Training/Demonstration
-
-
-

PARTS TAKEN TO EMERGENT

PARTS GIVEN BY EMERGENT
Laptop, Touch pro (Msi),
PCU

SERVICE JOB DESCRIPTION

Done complete installation of pedica simulator.
Checked all accessories according to packing
list. System performance checked.
System working OK.

Customer's Remark (if any)

Engineer's Remark (if any)

CUSTOMER'S NAME & SIGNATURE
[Signature]

ATTESTED ENGINEER'S NAME & SIGNATURE
[Signature]

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore - 575 002

[Signature]

Report No. : INSTALLATION / SERVICE REPORT DATE : 5/5/16

Customer Name : Yenepoya University
Address : Mangalore

Reference No. : _____ invoice No. _____
SYSTEM INFO : () OUT OF WARRANTY () UNDER WARRANTY () SERVICE CONTRACT

MODEL Otusim SERIAL NUMBER 168610 ADDITIONAL DETAILS

TYPE OF SERVICE RENDERED


- System Performance Checked
 - Preventive Maintenance
 - Software Updated/Reloaded
 - Repairs Carried out
 - System taken to Service Centre
 - System Returned to Customer
 - Training/Demonstration
 -
 -
 -
- PARTS TAKEN TO EMERGENT
 - PARTS GIVEN BY EMERGENT

SERVICE JOB DESCRIPTION

Done complete installation of otusim simulator.
System performance checked. System working ok.

Customer's Remark (if any)

Engineer's Remark (if any)


BIO-MEDICAL ENGINEER
YENEPOYA MEDICAL COLLEGE HOSPITAL
MANGALORE - 575 018

CUSTOMER'S NAME & SIGNATURE
Roshni

ATTESTED


Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka

ENGINEER'S NAME & SIGNATURE
N. S. Prabhu

Report No. :

INSTALLATION / SERVICE / REPORT

DATE : 05/02/16

Customer Name : Yenepoya University

Address : Mangalore

Reference No. : _____ Invoice No. _____

SYSTEM INFO : () OUT OF WARRANTY () UNDER WARRANTY () SERVICE CONTRACT

MODEL MFS

SERIAL NUMBER UN95789471
MFS 0204

ADDITIONAL DETAILS

TYPE OF SERVICE RENDERED

- System Performance Checked
- Preventive Maintenance
- Software Updated/Reloaded
- Repairs Carried out
- System taken to Service Centre
- System Returned to Customer
- Training/Demonstration
-
-
-

PARTS TAKEN TO EMERGENT

PARTS GIVEN BY EMERGENT

SERVICE JOB DESCRIPTION

Done complete installation of MFS simulator.
All accessories are checked according to packing list.
System performance checked.
System working OK.

Customer's Remark (if any)

Engineer's Remark (if any)

CUSTOMER'S NAME & SIGNATURE

(Signature)
DR. MEETHU D.

ATTESTED

ENGINEER'S NAME & SIGNATURE

(Signature)

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte

Emergent Medi-Tech (India) Private Limited

118, Damji Shamji Industrial Complex,
9, L.B.S. Marg, Kurla (West),
Mumbai-400 070.
Tel.: (022) 67982204/05
Fax : (022) 25135169
email : info@emergent.in

Report No. : INSTALLATION / SERVICE REPORT DATE : 05/02/16

Customer Name : Yenepoya University
Address : Mangalore

Reference No. : _____ Invoice No. _____
SYSTEM INFO : () OUT OF WARRANTY () UNDER WARRANTY () SERVICE CONTRACT
MODEL MFS SERIAL NUMBER UN95789471 ADDITIONAL DETAILS
MFS 0204

TYPE OF SERVICE RENDERED

- System Performance Checked
 - Preventive Maintenance
 - Software Updated/Reloaded
 - Repairs Carried out
 - System taken to Service Centre
 - System Returned to Customer
 - Training/Demonstration
 -
 -
 -
- PARTS TAKEN TO EMERGENT
 - _____
 - _____
 - _____
 - PARTS GIVEN BY EMERGENT
 - _____
 - _____
 - _____

SERVICE JOB DESCRIPTION

Done complete installation of MFS simulator.
All accessories are checked according to packing list.
System performance checked.
System working OK.

Customer's Remark (if any)

Engineer's Remark (if any)

CUSTOMER'S NAME & SIGNATURE
Dr. Gangadhar Somayaji K.S.
DR MEEHUBA

ATTESTED ENGINEER'S NAME & SIGNATURE
Dr. Gangadhar Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte

Emergent Medi-Tech (India) Private Limited

118, Damji Shamji Industrial Complex,
9, L.B.S. Marg, Kurla (West),
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Tel.: (022) 67982204/05
Fax : (022) 25135169
email : info@emergent.in

Report No. : INSTALLATION / SERVICE REPORT DATE : 05/02/16

Customer Name : Yenepoya University

Address : Mangalore

Reference No. : _____ Invoice No. _____

SYSTEM INFO : () OUT OF WARRANTY () UNDER WARRANTY () SERVICE CONTRACT

MODEL METI-MAN SERIAL NUMBER UN9578971 ADDITIONAL DETAILS MMP 1226

TYPE OF SERVICE RENDERED

- System Performance Checked
- Preventive Maintenance
- Software Updated/Reloaded
- Repairs Carried out
- System taken to Service Centre
- System Returned to Customer
- Training/Demonstration
-
-
-

PARTS TAKEN TO EMERGENT

PARTS GIVEN BY EMERGENT

SERVICE JOB DESCRIPTION

Done complete installation of METI-MAN Simulator.
All accessories are checked according to packing list.
System performance checked.
System working ok.

Customer's Remark (if any)

Engineer's Remark (if any)

CUSTOMER'S NAME & SIGNATURE

[Signature]
Dr. NEETHA

ATTESTED

[Signature]

ENGINEER'S NAME & SIGNATURE

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte

[Signature]

Emergent Medi-Tech (India) Private Limited

118, Damji Shamji Industrial Complex,
9, L.B.S. Marg, Kurla (West),
Mumbai-400 070.
Tel.: (022) 67982204/05
Fax : (022) 25135169
email : info@emergent.in

Report No. : INSTALLATION / SERVICE REPORT DATE : 05/02/16

Customer Name : Yenepoya University
Address : Mangalore

Reference No. : _____ Invoice No. _____
SYSTEM INFO : () OUT OF WARRANTY () UNDER WARRANTY () SERVICE CONTRACT

MODEL HPS SERIAL NUMBER UN9578847 ADDITIONAL DETAILS
HPS RPI

TYPE OF SERVICE RENDERED

- System Performance Checked
- Preventive Maintenance
- Software Updated/Reloaded
- Repairs Carried out
- System taken to Service Centre
- System Returned to Customer
- Training/Demonstration
-
-
-

PARTS TAKEN TO EMERGENT

PARTS GIVEN BY EMERGENT
HPS Rack :- TUK 2015A004081
Hps laptop & desktop

SERVICE JOB DESCRIPTION

Done a complete installation of HPS simulator.
Checked all accessories according to packing list.
System performance checked.
Systems working OK.

Customer's Remark (if any) _____

Engineer's Remark (if any) _____

[Signature]
CUSTOMER'S NAME & SIGNATURE

ATTESTED
[Signature]

Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka

ENGINEER'S NAME & SIGNATURE
[Signature]

Report No. :

INSTALLATION / SERVICE REPORT

DATE : 05/02/16

Customer Name : Yenepoya University

Address : Mangalore

Reference No. : _____ Invoice No. _____

SYSTEM INFO : () OUT OF WARRANTY () UNDER WARRANTY () SERVICE CONTRACT

MODEL CathLab vr SERIAL NUMBER EV 241 ADDITIONAL DETAILS

TYPE OF SERVICE RENDERED

- System Performance Checked
- Preventive Maintenance
- Software Updated/Reloaded
- Repairs Carried out
- System taken to Service Centre
- System Returned to Customer
- Training/Demonstration
-
-
-

PARTS TAKEN TO EMERGENT

PARTS GIVEN BY EMERGENT

Manneguin SINI - EVM150901A

SERVICE JOB DESCRIPTION

Done a complete installation of CathLab vr Simulator.
All accessories checked according to packing list.
System performance checked.
System working ok.

Customer's Remark (if any)

Engineer's Remark (if any)

CUSTOMER'S NAME & SIGNATURE

[Signature]
(COL Medi India)

ATTESTED

[Signature]

ENGINEER'S NAME & SIGNATURE

N.S. Phule

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka

[Signature]

Report No. : INSTALLATION / SERVICE REPORT DATE : 05/02/16

Customer Name : Yenepoya University

Address : Mangalore

Reference No. : _____ Invoice No. _____

SYSTEM INFO : () OUT OF WARRANTY () UNDER WARRANTY () SERVICE CONTRACT

MODEL Lap vr SERIAL NUMBER UN35789471 ADDITIONAL DETAILS UNILAP97

TYPE OF SERVICE RENDERED

- System Performance Checked
- Preventive Maintenance
- Software Updated/Reloaded
- Repairs Carried out
- System taken to Service Centre
- System Returned to Customer
- Training/Demonstration
-
-
-

PARTS TAKEN TO EMERGENT

PARTS GIVEN BY EMERGENT

Pistol grip handle - 2 Nos.
Suture handle - 2 Nos.

SERVICE JOB DESCRIPTION

Done a complete installation of Lap vr simulator.
All accessories are checked according to packing
list. System performance checked.
System working OK.

Customer's Remark (if any)

Engineer's Remark (if any)

CUSTOMER'S NAME & SIGNATURE

Dr. Gangadhara Somayaji K.S.
REGISTRAR

ENGINEER'S NAME & SIGNATURE

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte

Report No. : INSTALLATION / SERVICE REPORT DATE : 05/02/16

Customer Name : Yenepoya University.

Address : Mangalore

Reference No. : _____ Invoice No. _____

SYSTEM INFO : () OUT OF WARRANTY () UNDER WARRANTY () SERVICE CONTRACT

MODEL Cardiac Ultrasound simulator SERIAL NUMBER 1569 ADDITIONAL DETAILS

TYPE OF SERVICE RENDERED

- System Performance Checked
- Preventive Maintenance
- Software Updated/Reloaded
- Repairs Carried out
- System taken to Service Centre
- System Returned to Customer

PARTS TAKEN TO EMERGENT

Training/Demonstration

PARTS GIVEN BY EMERGENT

CPU - SIN:-002-3330141
TTE probe, TEE probe,
Curvilinear probe

SERVICE JOB DESCRIPTION

Done a complete installation of cardiac
ultrasound simulator. Checked all accessories
according to packing list. System performance
checked. System working OK.

Customer's Remark (if any)

Engineer's Remark (if any)

CUSTOMER'S NAME & SIGNATURE

(Signature)
CDR.MCA#WA

ATTESTED

ENGINEER'S NAME & SIGNATURE

(Signature)

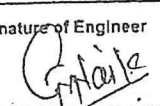

Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte

EMERGENCY SERVICE P. LTD.
 118, Dhamji Shamji Ind. Complex,
 9, Lal Bahadur Shastri Marg,
 Kurla (W), Mumbai - 400 070;

mindray

INSTALLATION REPORT (PMLSS)

SI. No. **099**

| | | | | | | | |
|--|--|----------|----------|---|----------------------------|------|--|
| Hospital Name | Yenepoya University Hospital | | | Date of Installation | 3/5/2016 | | |
| Department | Simulation Lab | | | Phone No. | | | |
| Address | Deralakatte, Mangalore, Karnataka | | | | | | |
| Contact No. | | | | Email: | | | |
| Model | WATO EX-20 Beneheart D3 | Qty. | 1 | S. No. | DW-5A004254 EL-63025504 | | |
| Warranty Information | Start Date | 3/5/2016 | | Expiry Date | 2/5/2017 | | |
| | Hospital | Bed | | Sample | | Test | |
| Accessories Provided | As per packing list. | | | | | | |
| User Information: | | | | | | | |
| Name of Hospital Head: | | Mobile : | | Email: | | | |
| Name of User Doctor: | | Mobile : | | Email: | | | |
| Name of Biomedical Engineer: | Miss. Anshera | | Mobile : | 720472094 | Email: | | |
| Name of Technical Head/Nursing Head: | | Mobile : | | Email: | | | |
| Description of Subsystems | | | | Serial No. | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| COMMENTS: Checked the system and accessories as per packing list. Installed the system at customer end. Checked health competence test, O ₂ calibration and Flow sensor calibration System working ok and Ready to use. Given Demo to staff. | | | | | | | |
| The Above Equipment has been supplied as per purchase order terms and conditions and same has been installed in satisfactory working condition. | | | | | | | |
| The Warranty of Unit is mentioned as above. | | | | | | | |
| Signature of Engineer |  (Ganesh Naik) | | | YENEPOYA MEDICAL COLLEGE HOSPITAL MANGALORE - 575 018 Customer Signature & Seal  | | | |

Registered Office: B-404, City Point, Andheri Kurla Road, Andheri East, Mumbai 400059
 Tel: +91 22 4020 0000, Fax: +91 22 40200011, Toll Free No: 1800 10 20 300
 Corporate Office: Unit No: 401/402, NDM-1, Netaji Subhash Place, Wazirpur District Centre, New Delhi-110034
 Tel: +91 11 49230000, Fax: +91 11 49230030, Email: inservice@mindray.com, Website: www.mindray.com

ATTESTED

Dr. Gangadhara Somayaji K.S.
 Registrar
 Yenepoya (Deemed to be University)
 University Road, Deralakatte
 Mangalore-575 018, Karnataka

Purchase Order

ATTESTED



Dr. Gangadhara Somayaji K.S.
Registrar
Yeregoya (Deemed to be University)
University Road, Deralakatte
Mangalore - 575 018, Karnataka



Recognized under Sec 3(A) of the UGC Act 1956 as per notification number F.9-11/2007.U.3(A) dated 27-02-2008

PO No.: 1596

Date: 30th December 2015

To,
Emergent Medi-Tech (I) Pvt. Ltd.
Gala 79, (Old 36), Dwaraka Complex,
4th Floor Uthammar, Gandhi Salai,
Nungambakkam High Road,
Nungambakkam, Chennai-600 034.

| Sr. No. | Cat No. | Description | Qty | Amount (Rs.) |
|---------|-----------|---|------|--------------|
| 1 | HPS-010 | Human Patient Simulator | 1 No | 1,81,44,000 |
| | | HPS-010 Human Patient Simulator Includes: Full Body Instrumented Adult Mannequin, Muse Operating Software, Computer and Control Rack, Full Function Monitor Interface, Enhanced Drug Recognition System, 6 Pre-Configured Adult Base Patients, 60 Simulated Clinical Experiences, (including ACLS, ALS, Allied Health, Anesthesia, and Obstetric), 2 Pre-Configured Patients, 32 Simulated Clinical Experiences (including PALS and PALS Europe Learning Applications), 4 SCE Development Licenses, Pharmacology Editor | | |
| | ACC-HPS06 | Anesthesia Delivery System | 1No | |
| 2 | BAB-200 | Baby Sim | 1No | 28,16,000 |
| | | BabySIM Base Unit - 220v/50hZ - International Only - Includes: Full Body Instrumented Infant Mannequin, Muse Operating Software, Instructor's Laptop Workstation, Air Compressor, Touch-Pro Wireless Patient Monitor Computer, 2 Pre-Configured Patients 4 Simulated Clinical Experiences, 4 SCE Development Licenses, Gray Hard Case | 1No | 28,16,000 |
| 3 | PECS-300 | PediaSim | | |
| | | PediaSIM ECS - Base Unit includes: Full Body Instrumented Pediatric Mannequin, Muse Operating Software, Instructor's Laptop Workstation, Air Compressor, Touch- Pro Wireless Patient Monitor Computer, 2 Pre-Configured Patients, 6 Simulated Clinical Experiences, 4 SCE Development Licenses. | | |

ATTESTED

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Mangalore - 575 018, Karnataka www.yenePOYA.edu.in

Registrar
YenePOYA University



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| | | | | |
|---|---------|---|------|-----------|
| | CAT-001 | Cath Lab | 1 No | 57,60,000 |
| | | CathLabVR System Includes: Basic Percutaneous Coronary Interventions (PCI) Software Module, CathLabVR TAV Software Module, Advanced PTCA Software Module Endovascular, Carotid Software Module Endovascular, CRM Software Module Endovascular, EV Generic CRM Toolkit (included w/ CRM SW Module), EV Generic Cardiovascular Toolkit, Computer, 2 20" Flat Panel Monitors, Cart | | |
| 5 | END-002 | Endo VR EndoVR Simulator Includes New EndoVR User Interface, Two 24" Flat Panel Monitors, Computer, Integrated keyboard with Trackball Mouse, Simulator Cart with Oral and Lower GI Anatomy Plates, Haptic Device | 1 No | 94,72,000 |
| | END-507 | Bronchoscopy Package Includes Bronchoscope, Bronchoscope Tube, and the Following Software Modules: Introduction to Bronchoscopy, Bronchoalveolar Lavage, Endobronchial Sampling, Transbronchial Needle Aspiration, and Pediatric Difficult Airways. | 1No | |
| | END-508 | EBUS-TBNA (Endoscopic Bronchial Ultrasound with Transbronchial Needle Aspiration) Package Includes EBUS-TBNA Software Module and EBUS-TBNA Tool Kit DOES NOT INCLUDE BRONCHOSCOPE | 1No | |
| | END-509 | GI Package Includes: Lower GI Module: LGI/EGD Scope Head to use with Sigmoidoscopy, Colonoscopy and Sigmoidoscopy-Length Scope Tube, Colonoscopy-Length Scope Tube, and the Following Software Modules: Introduction to Flexible Sigmoidoscopy, Supplemental Cases for Flexible Sigmoidoscopy, Introduction to Colonoscopy, Colonoscopy - Biopsy, Colonoscopy - Basic Polypectomy Software Modules and Required Accessories Upper GI Module: ERCP/UGI Scope Head to use with EGD/ERCP Length Scope Tube, and the Following Software Modules: Introduction to Endoscopic Retrograde Cholangiopancreatography (ERCP), Introduction to Esophagogastroduodenoscopy (EGD), Upper GI Bleed with Snare Tool, and Required Accessories | 1No | |

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| | | | | |
|---|-----------|---|------|-----------|
| 3 | LAP-003 | Lap VR LaparoscopyVR Base System - Includes Essential Skills Module, Lap Cholecystectomy Module, Running the Bowel Module, OB/GYN Modules, Suturing and Knot Tying Module, 24" Flat Panel Monitor, Pistol Grip Handles, Needle Driver Handles | 1 No | 53,12,000 |
| | LAP-503 | Laparoscopic Appendectomy Software Module | 1 No | |
| 7 | MFS-100 | Birth simulator | 1 No | 44,16,000 |
| | | CAE Fidelis Lucina Simulator Includes a Fully Instrumented Mother and a Partially Instrumented Fetus, Muse Operating Software, Instructor's Wireless Workstation, Touch-Pro Wireless Patient Monitor Computer, 10 Preconfigured SCEs, 4 SCE Development Licenses | | |
| | ACC-MFS01 | Female Patient Module Includes 5 Preconfigured SECs and a Non Gravid Abdomen | 1No | |
| 8 | | Vimedix | | 67,20,000 |
| | VIM-006 | VIMEDIX -Transthoracic Echocardiography (TTE) Simulator Base Unit Includes: Mannequin (Bob 1.3), TTE Transducer, 4 Cases (1 Normal Heart, 3 Pathologies: Dilated Cardiomyopathy - Severe Biventricular Systolic Dysfunction, Hyperdynamic Left Ventricular Systolic Function, Recent Anterior Myocardial Infarction with Pericardial Effusion), Computer, HD Screen, Mouse, Keyboard, Cables | 1No | |
| | VM-512 | VIMEDIX Transesophageal Echocardiography (TEE) Module FOR bOB 1.3 Includes : TEE Transducer, 4 Cases (1 Normal Heart, 3 Pathologies: Dilated Cardiomyopathy - Severe Biventricular Systolic Dysfunction, Hyperdynamic Left Ventricular Systolic Function, Recent Anterior Myocardial Infarction with Pericardial Effusion) | 1No | |
| | VIM-504 | VIMEDIX Abdominal (Normal Based Pathologies) Module Includes Curvilinear Transducer, 4 Cases (1 Normal Abdominal, 3 Pathologies: Hydatid Cyst of the Liver, Multilocular Intra-Abdominal Abscess, Liver Hepatocellular Carcinoma Hypochoic) | 1No | |

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 www.yenepeya.edu.in

ATTESTED

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 Bangalore - 575 012, Karnataka

Registrar
 Yenepeya University



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| | | | | |
|---|---------|---|------|-----------|
| | VIM-600 | VIMEDIX Cardiac Pathology Package 1 (10 Cases / Scenarios) includes: Anterior Myocardial Infarction in a COPD Patient, Biologic Prosthetic Valve in Aortic Position, Dilated Cardiomyopathy - Mild Left Ventricular Systolic Dysfunction, Dilated Cardiomyopathy - Very Severe Left Ventricular Systolic Dysfunction in a COPD Patient, Left Pleural Effusion, Left Ventricular, Apical Aneurysm with Thrombus; Mechanical Prosthetic Valve (Bileaflet) in Aortic and Mitral position, Mechanical Prosthetic Valve (Tilting Disk) in Mitral Position, Normal Heart in a COPD Patient Temponade. | 1No | |
| | VIM-605 | Abdominal Package 1 (10 Cases/Scenarios) includes: Acute cholecystitis, Angiomyolipoma, Bacterian Hepatic Abscess, Cholecystitis with gallstone, Cholelithiasis, Exophytic renal cyst, Hepatomegaly, kidney stones, Pancreatic pseudocyst, Splenomegaly. | 1No | |
| | VIM-611 | FAST Package 1 (10 Cases/Scenarios) includes: Free fluid - Retro-Vesical Reflection (Small), Free fluid - Retro- Vesical Reflection (Medium), free fluid - Splenal-Renal Reflection (Small), free fluid - Supra-Splenal, Free Fluid - Above the Spleen with Hemothorax, free fluid - Hepato-Renal Reflection (Morrison's Pouch - Large), Free Fluid - Bilateral Renal Pouch (Small), Left Lateral Trauma; Spleen Rupture, Small Pericardial Effusion. | 1No | |
| 9 | VIM-003 | VIMEDIX Ob/gyn Ultrasound Simulator Base Unit Includes Female Mannequin, Curvilinear Transducer, Baby Template (2nd Trimester), 3 Cases (Normal 20 Weeks, Cleft Lip, Gastroschisis, Unilateral Ventriculomegaly), Computer, HD Screen, Mouse, Keyboard, Cables. | 1 No | 12,20,000 |
| | VIM-509 | Ob/Gyn Ultrasound Simulator (1st Trimester) Module Includes Endovaginal Transducer and 1 Pathology (Normal Fetus 8-Weeks) | 1No | |
| | VIM-612 | VIMEDIX Ob/Gyn Urinary System Anomalies - Left Renal Agenesis Pathology - 20 weeks Ob | 1No | |
| | VIM-614 | VIMEDIX Ob/Gyn Urinary System Anomalies - Multicystic Renal Dysplasia - 20 weeks | 1No | |
| | VIM-616 | VIMEDIX Ob/Gyn Head/Neck/Face Anomalies - Cloacal Bladder Exstrophy - 20 weeks | 1No | |

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Registrar



YENEPOYA
UNIVERSITY

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| | | | |
|---------|---|-----|----------|
| VIM-617 | VIMEDIX Ob/Gyn Head/Neck/Face Anomalies - Esophageal Atresia - 20 weeks | 1No | |
| VIM-620 | VIMEDIX Ob/Gyn Head/Neck/Face Anomalies - Nasal Hypoplasia - 20 weeks | 1No | |
| VIM-621 | VIMEDIX Ob/Gyn Head/Neck/Face Anomalies - Nasal Bone Absence - 20 weeks | 1No | |
| VIM-622 | VIMEDIX Ob/Gyn Brain Anomalies - Dandy Walker Syndrome - 20 weeks | 1No | |
| VIM-623 | VIMEDIX Ob/Gyn Brain Anomalies - Mega-Cisterna Magna - 20 weeks | 1No | |
| VIM-625 | VIMEDIX Ob/Gyn Brain Anomalies - Choroid Plexus Cyst (Large) - 20 weeks | 1No | |
| VIM-627 | VIMEDIX Ob/Gyn Intrauterine Growth Retardation - Fetal Growth Retardation - Shortened Femurs - 20 weeks | 1No | |
| VIM-632 | VIMEDIX Ob/Gyn Bicornuate Uterus - 8 weeks | 1No | |
| VIM-633 | VIMEDIX Ob/Gyn Blighted Ovum - 8 weeks | 1No | |
| VIM-634 | VIMEDIX Ob/Gyn Twins Dichorionic-Diamniotic - 8 weeks | 1No | |
| VIM-635 | VIMEDIX Ob/Gyn Fetal Demise - 8 weeks | 1No | |
| VIM-636 | VIMEDIX Ob/Gyn Subchorionic Hematoma - 8 weeks | 1No | |
| VIM-646 | VIMEDIX Ob/Gyn Normal Fetus - 12 weeks | 1No | |
| VIM-648 | VIMEDIX Ob/Gyn Nuchal Translucency 3.2mm - 12 Weeks | 1No | |
| VIM-650 | VIMEDIX Ob/Gyn Nuchal Translucency 5.5mm Hygroma - 12 Weeks | 1No | |
| VIM-652 | VIMEDIX Ob/Gyn Amniotic Band Syndrome - 12 Weeks | 1No | |
| VIM-654 | VIMEDIX Ob/Gyn Cephalocele Patient 1 - 12 Weeks | 1No | 9,60,000 |
| 10 | Blue Phantom (1. Spinal Epidural and Lumbar Puncture 2. Sciatic Nerve Regional Anesthesia 3. TAP Block) | | |

ii. Matiman.

ATTESTED

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Mangalore - 575 018, Karnataka

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| | | | | |
|----|-----------|--|------|-----------|
| | BPP-075 | 1. Spinal Epidural and Lumbar Puncture Training Model for Lumbar Puncture and Lumbar Epidural Procedures, Excellent for Ultrasound Guidance and Blind Insertion Techniques. Multi-Positional Platform for Performing Procedures in the Upright and Decubitus Position. Includes Torso Base Platform and Ultrasound Tissue Insert, which is constructed Using Blue Phantom Ultra-Durable Tissue and Contains the Lower Thoracic Spine, Lumbar Spine, Ligamentum Flavum, Dura, and CSF. Includes Cerebral Spinal Fluid Quick Refill Connector and 1 Bottle of Clear Ultrasound Fluid | 1No | |
| | BPP-089 | 2. Sciatic Nerve Regional Anesthesia Ultrasound Training Model Includes True Anatomy (Leg Model from Hip to Mid Calf) with Ultra-Durable Ultrasound Proximal Sciatic Nerve Tissue, Distal Mid Sciatic Nerve Tissue, and Bifurcation at Supra Popliteal Level. Used for Ultrasound Guided Regional Anesthesia Procedures | 1No | |
| | BPP -106 | 3. TAP Block Ultrasound Training Model for Regional Anesthesia Includes Cutaneous and Subcutaneous Tissues, External Oblique Muscle, Internal Oblique Muscle, Transversus Abdominis Muscle, Peritoneum. Users can Simulate TAP Block Procedure by Depositing Local Anesthetic into the Model's Muscles multiple times as the Fluid Automatically Expels | 1No | |
| 11 | MMP-200 | MetiMann | 1 No | 28,16,000 |
| | | METIman Pre-Hospital Medium Skin Tone Includes: Full Body Wireless Instrumented Adult Mannequin, Convulsions, Muse Operating Software, Instructor's Wireless Workstation, Touch-Pro Wireless Patient Monitor Computer, 2 Pre- Configured Patients, 4 Simulated Clinical Experiences, 4 SCE Development Licenses | | |
| | EDU-239 | Foundations of Nursing Practice learning application for Metimann Prehospital includes 10 Simulated Clinical Experiences | 1 No | |
| | UPG-VIVO1 | Metiman Pre- Hospital Vivo Upgrade (Pre Release): Include Vivo software license, tablet computer pre loaded with Vivo application and Muse 204 software update. | 1 No | |

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar

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Mangalore - 574 024 / 210416
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
Registrar
Yenepoya University



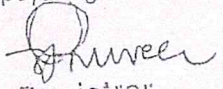
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| | | | |
|----------------------------|---|-------|-------------|
| MFX-100 | FX Base Kit Includes One Adominal Evisceration, One Calf Avulsion, One Open Head Wound, One Lacerated Thigh, One Compound Fracture (Arm), Three Bruising Patches, Six Bullet Holes, Three Lacerations, Two Fire Burns, Three Electrical Burns, One Spider Bite/Decubitus Ulcer, One Blood Pumping System, Simulated Blood and One Set of Wound/Treatment Cards. | 1 No | |
| ACC-FX07 | FX - Partial Arm Amputation | 1 No | |
| ACC-FX08 | FX - Full Arm Amputation | 1 No | |
| ACC-FX09 | FX - Partial Leg Amputation | 1 No | |
| ACC-FX11 | FX - Full Leg Amputation - METIman Only | 1 No | |
| 12 | Video recording & replay system- Replay One - Full featured simulation recording solution | 1 set | 20,48,000 |
| Replay -001 Replay -105 | Ultraportable Package (Replay system and software) First year of service and cloud backup Included. Ultraportable Replay System (Replay software, Laptop, 2X wireless HD Cameras, Display Capute Kit and Rolling care) | 1 No | |
| Replay -012 | Replay ONE (Replay software for one room, server appliance and microphone) First Year of Service and Cloud Backup included | 1 No | |
| Replay -013 | Replay Digital PTZ HD Camera | 2 No | |
| | | TOTAL | 6,25,00,000 |

ATTESTED


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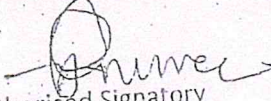


Recognized under Sec 3(A) of the UGC Act 1956 as per notification number F.9-11/2007.U.3(A) dated 27-02-2008


TERMS AND CONDITIONS

| | |
|-----------------|--|
| 1. Price | Inclusive of transportation upto site. |
| 2. Tax | This is High Sea Sale, No taxes will be applicable. |
| 3. Custom Duty | To be payable by the buyer/ duty exemption scripts can be used. |
| 4. Payment Term | 90% Advance against proof of dispatch and 10% on installation |
| 5. Warranty | One year for all CAE simulators. Second and Third year labour would be provided by M/s Emergent Medi-Tech (I) Pvt Ltd. Spares will be covered with an insurance policy taken by us after warranty period |
| 6. Note | High Sea Sale agreement will be executed on the day of shipment from CAE healthcare. |
| 7. Document | All documents to be in the name of the YENEPOYA UNIVERSITY, DERALAKATTE, MANGALORE-574160 |

Yours Faithfully
For Yenepoya University


Authorised Signatory
Registrar
Yenepoya University

ATTESTED


Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
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Programme Reports ACTS-YEN 2016-2021


ATTESTED



Dr. Gangadhara Somayaji K.S.
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University Road, Deratakatte
Mangalore - 575 018, Karnataka

SUMMARY SHEET

| Sl.No | Year | Date | Title of the Programme |
|-------|------------|-------------------------------|---|
| 1. | 2021 | 12.01.2021 | AHA BLS Course |
| 2. | | 13.01.2021 to 14.01.2021 | AHA BLS Course |
| 3. | | 01.02.2021 | PEWS Training |
| 4. | | 01.02.2021 to 03.02.2021 | YSH Training -YALS Training |
| 5. | | 02.03.2021 to 03.03.2021 | AHA Basic life support course |
| 6. | | 08.04.2021 | Train the trainer programme |
| 7. | | 22.04.2021 to 23.04.2021 | YALS Training |
| 8. | | 29.04.2021 | AHA Basic life support course |
| 9. | | 29.05.2021 | AHA Basic life support course |
| 10. | 2020 | 12.01.2020 | YEN Ultrathon 2020 |
| 11. | | 06.02.2020 | Workshop titled "Blood Gases: Integrated Simulation Lab Based Workshop" |
| 12. | | 10.02.2020 to 12.02.2020 | AHA BLS & ACLS Course |
| 13. | | 02.03.2020 to 03.03.2020 | Foundation maxfac & basic skill course |
| 14. | | 08.03.2020 | Trauma Related Simwar |
| 15. | | 09.03.2020 to 14.03.2020 | Finishing school for Zulekha nurses |
| 16. | | 13.07.2020 | AHA Basic life support course |
| 17. | | 08.08.2020 | AHA BLS Course |
| 18. | | 12.08.2020 to 13.08.2020 | AHA ACLS Course |
| 19. | | 14.09.2020 | AHA Basic life support course |
| 20. | | 16.09.2020 | Trauma care management |
| 21. | | 31.10.2020 | Moulage competition |
| 22. | | 09.11.2020 to 12.11.2020 | Emergency Nursing Life Support Programme |
| 23. | | 16.11.2020 to 18.11.2020 | AHA BLS & ACLS Course |
| 24. | | 06.12.2020 | HEART SAVER FIRST AID CPR AED Course |
| 25. | 21.12.2020 | AHA Basic life support course | |
| 26. | 2019 | 18.01.2019 | Manipal School Visit |
| 27. | | 18.01.2019 | Faculty Development Programme |
| 28. | | 19.03.2019 | 2 nd Faculty Development Programme |
| 29. | | 21.03.2019 | Workshop: Simulation in Physiology |
| 30. | | 21.03.2019 | ABBOTT Workshop |
| 31. | | 16.04.2019 | NON AHA Advanced Cardiac Life Support |
| 32. | | 25.04.2019 | Paediatric Advance PALS workshop |
| 33. | | 30.04.2019 | OBG workshop |


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| | | | | |
|-----|------------|--------------------------|--|------------------------------|
| 34. | 2019 | 03.05.2019 | Neonatal Advanced Life Support | |
| 35. | | 13.05.2019 | AHA BLS & ACLS Course | |
| 36. | | 15.06.2019 | Neonatal Resuscitation Programme (NRP) | |
| 37. | | 17.06.2019 to 19.06.2019 | AHA BLS & ACLS Course | |
| 38. | | 22.07.2019 to 27.07.2019 | Finishing School for Final Year B.Sc Nursing Students | |
| 39. | | 26.09.2019 to 28.09.2019 | Finishing School for Final Year B.Sc Nursing Students | |
| 40. | | 12.10.2019 | CALS Workshop | |
| 41. | | 01.11.2019 | Laprosopy Cholesystectomy(In-situ scenario) | |
| 42. | | 12.11.2019 to 13.11.2019 | Non AHA BLS & ACLS Training | |
| 43. | | 14.11.2019 | Code blue –Mock test | |
| 44. | | 21.11.2019 | Triage (in-situ scenario) | |
| 45. | | 4.11.2019 to 6.11.2019 | AHA BLS & ACLS Training for PG's & Interns | |
| 46. | | 06.12.2019 | Airway workshop with covidien group | |
| 47. | | 9.12.2019 to 11.12.2019 | AHA BLS & ACLS Training for PG's & Interns | |
| 48. | | 30.12.2019 | Labour Management(As a part of finishing school programme for B.Sc Nursing Students) | |
| 49. | | 2018 | 23.01.2018 | OBE 4 Anaesthetists workshop |
| 50. | | | 12.02.2018 to 13.02.2018 | Koppa workshop |
| 51. | | | 15.02.2018 | ultrasound workshop |
| 52. | 17.02.2018 | | ABOTT Workshop | |

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|-----|------|---------------------------|--|
| 53. | | 11.03. 2018 | Workshop on surgical suture and suturing technique Workshop |
| 54. | | 21.03. 2018 | Workshop on Anastomotic Technique Workshop |
| 55. | | 25.07.2018 to 31.07.2018 | Finishing School for Final Year BSC Nursing Students |
| 56. | | 12.07.2018 to 14.07.2018 | AHA BLS & ACLS Course |
| 57. | | 01.08.2018 | Art of Scientific Writing' & 'Tips To Publication |
| 58. | | 28.08.2018 to 29.08.2018 | Clinical Orientation Programme |
| 59. | | 15.09.2018 | Prehospital Care and Medical Emergencies in Association with Savior Group |
| 60. | | 17.09.2018 to 21.09.2018 | Healthcare Simulation Week- Sepsis Management Simulation Class |
| 61. | | 23.10.2018 | Compression Only Life Support (COLS) |
| 62. | | 13.10.2018 | BLS for Dental Interns |
| 63. | | 16.10.2018 | ECMO Workshop |
| 64. | | 06.11.2018 | Neonatal Advanced Life Support (NALS) |
| 65. | | 07.11.2018 | Paediatric Advanced Life Support(PALS) |
| 66. | 2017 | 20.03.2017 to 21.03.2017 | Interns skills training |
| 67. | | 20.06. 2017 | Workshop on Basic Life Support |
| 68. | | 29.07.2017 to 30.07.2017 | PALS Workshop |
| 69. | | 06.07. 2017 to 07.07.2017 | Poly Trauma Workshop |
| 70. | | 08.07. 2017 | STEP Workshop |
| 71. | | 22.07. 2017 | ABBOT Workshop |
| 72. | | 30.07. 2017 | Dermatology Workshop |
| 73. | | 12.08. 2017 | YEN RHYTHM Workshop |
| 74. | | 02.09. 2017 | YUVA KSOGA Conference |
| 75. | | 11.09.2017 to 15.09. 2017 | HSW Programme |
| 76. | | 22.09. 2017 | AHA ACLS & BLS Course |
| 77. | | 05.10. 2017 | ECG Course |
| 78. | | 07.10.2017 to 08.10.2017 | Instructional Course in generative disease of spine with live surgery workshop |
| 79. | | 07.10.2017 | Fundamentals of airway management course |
| 80. | | 14.10.2017 | Instructor Course for nursing staff |
| 81. | | 16.10. 2017 | World Anaesthesia Day" event |
| 82. | | 26.10.2017 | ECG Course |
| 83. | | 01.11. 2017 | Saviour Group Training |
| 84. | | 02.11.2017 | Basic CPR Training |

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| | | | |
|------|------|-----------------------------|--|
| 85. | | 04.11.2017 | Basic CPR Training |
| 86. | | 06.11.2017 | ECG Class |
| 87. | | 07.11.2017 | Basic CPR Training |
| 88. | | 08.11.2017 & 09.11.2017 | Simulation based ECG Interpretation Workshop |
| 89. | | 11.11.2017 | Basic CPR Training |
| 90. | | 14.11.2017 | Basic Airway Management |
| 91. | | 16.11.2017 | Basic CPR Training |
| 92. | | 18.11.2017 | Basic CPR Training |
| 93. | | 25.11.2017 | Manipal school visit |
| 94. | | 30.11.2017 | Basic CPR Training |
| 95. | | 02.12.2017 | Basic CPR Training |
| 96. | | 03.12.2017 | CPR Training and Trauma management |
| 97. | | 09.12.2017 | Basic CPR Training |
| 98. | | 14.12.2017 | Basic CPR Training |
| 99. | | 16.12.2017 | Basic CPR Training |
| 100. | | 20.12.2017 | Faculty Development Program for OBG nursing staff of YNC |
| 101. | 2016 | 14.03.2016 to 18.03.2016 | User Training Workshop |
| 102. | | 13.06.2016 to 16.06.2016 | Training the Trainers |
| 103. | | 20.09.2016 to 22.09.2016 | Technology Training of surgical product lines |
| 104. | | 03.12.2016 to 04.12.2016 | HPSN Workshop |
| 105. | | 26.12.2016 | BLS for fire fighters |

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YENEPOYA

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Programme Reports ACTS-YEN 2021

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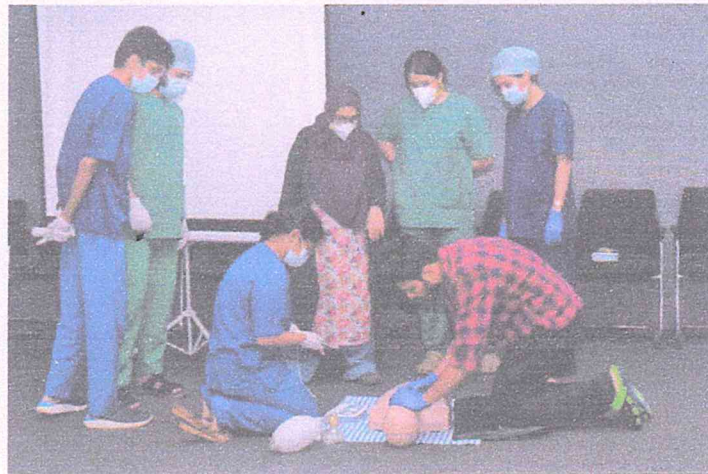
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AHA BLS COURSE

On 12th January 2021 interns have undergone AHA (American Heart Association) certified Basic Life Support(BLS) Course conducted by Actsyen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|---|--------------------|
| 1 | AHA BLS | Dr.Meghna Mukund Dr.Shameem Habib Dr.Aejaz Ahamed Dr.Shruti T Bhandari | 26 |



BLS Hands on session

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Deepthi
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AHA ACLS COURSE

On 13th & 14th January 2021 interns have undergone AHA (American Heart Association) certified Advanced Cardiac Life support (ACLS) Course conducted by Actsyen at 8th Floor EMD auditorium. The training programme was an international accepted with certification valued for a period of 2 years.

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies, provide CPR use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin. Feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|---|--------------------|
| 1 | AHA ACLS | Dr.Meghna Mukund Dr.Shameem Habib Dr.Aejaz Ahamed Dr.Shruti T Bhandari | 27 |



ACLS Airway station

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ACTS YEN REPORT

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 Page 16



Advanced Comprehensive Clinical Training & Simulation Center

PEWS TRAINING

Acts yen conducted Pediatric Early Warning signs(PEWS) training for the Yenepoya Specialty staff nurse on 1st February 2021 in association with pediatric department. Pediatric Early Warning Signs (PEWS) are clinical manifestations that indicate rapid deterioration in pediatric patients, infancy to adolescence.

The goal of PEWS is to provide an assessment tool that can be used by multiple specialties and units to objectively determine the overall status of the patient. The purpose of this is to improve communication within teams and across fields, recognition time and patient care, and morbidity and mortality rates.30 were participated for the program. Dr.Mithun from pediatric department was the main facilitator for the programme.

| Sl. No. of the students | Name of the student | Name of the resident |
|-------------------------|---------------------|----------------------|
| 1 | Dr. Mithun | Dr. Mithun |
| 2 | Dr. Mithun | Dr. Mithun |
| 3 | Dr. Mithun | Dr. Mithun |
| 4 | Dr. Mithun | Dr. Mithun |
| 5 | Dr. Mithun | Dr. Mithun |
| 6 | Dr. Mithun | Dr. Mithun |
| 7 | Dr. Mithun | Dr. Mithun |
| 8 | Dr. Mithun | Dr. Mithun |
| 9 | Dr. Mithun | Dr. Mithun |
| 10 | Dr. Mithun | Dr. Mithun |
| 11 | Dr. Mithun | Dr. Mithun |
| 12 | Dr. Mithun | Dr. Mithun |
| 13 | Dr. Mithun | Dr. Mithun |
| 14 | Dr. Mithun | Dr. Mithun |
| 15 | Dr. Mithun | Dr. Mithun |
| 16 | Dr. Mithun | Dr. Mithun |
| 17 | Dr. Mithun | Dr. Mithun |
| 18 | Dr. Mithun | Dr. Mithun |
| 19 | Dr. Mithun | Dr. Mithun |
| 20 | Dr. Mithun | Dr. Mithun |
| 21 | Dr. Mithun | Dr. Mithun |
| 22 | Dr. Mithun | Dr. Mithun |
| 23 | Dr. Mithun | Dr. Mithun |
| 24 | Dr. Mithun | Dr. Mithun |
| 25 | Dr. Mithun | Dr. Mithun |
| 26 | Dr. Mithun | Dr. Mithun |
| 27 | Dr. Mithun | Dr. Mithun |
| 28 | Dr. Mithun | Dr. Mithun |
| 29 | Dr. Mithun | Dr. Mithun |
| 30 | Dr. Mithun | Dr. Mithun |

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Advanced Comprehensive Clinical Training & Simulation Center



YSH TRAINING –YALS TRAINING

ACTS-YEN, Simulation Centre; Acts yen conducted YALS training for YSH staff from 01.02.2021 to 03.02.2021 as a part of NABH

Day 1 – 01.02.2021 (Monday)

1) YALS Program was held at EMD Auditorium from 10.15 am to 1.00 pm.
 Facilitators:
 Dr.Meghna Mukund
 Dr.Shameem Habib
 ACTS-YEN team

Basics of ECG beautifully taught by Dr. Shameem Habib and cardiac algorithm taught by Dr.Meghna Mukund

We trained 11 nursing staff in the emergency care unit with hands-on scenarios. Emphasis was also laid on non-technical skills like team coordination, clear concise closed-loop communication, the importance of call for help & assigning team roles.

Pretest and post test were administrated at each section which showed improvement .The feedback was very good and They liked session very much.



Day 2 – 02/02/2021 (Tuesday)

YALS Program was held at EMD Auditorium from 10.15 am to 1.00 pm

1) Facilitators:
 Dr.Shilpa bhat
 Dr.Shameem Habib

Basics of ECG beautifully taught by Dr. Shameem Habib and cardiac algorithm taught by Dr.Shilpa bhat

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We trained 8 nursing staff in the critical care unit with hands-on scenarios. Emphasis was also laid on non-technical skills like team coordination, clear concise closed-loop communication, the importance of call for help & assigning team roles. Pretest and post test were administrated at each section which showed improvement. The feedback was very good and They liked session very much.



Day 3 – 03/02/2021 (Wednesday)

YALS Program was held at EMD Auditorium from 10.15 am to 1.00 pm

1) Facilitators:
 Dr. Shilpa bhat
 Dr. Shameem Habib

Basics of ECG beautifully taught by Dr. Shameem Habib and cardiac algorithm taught by Dr. Meghna Mukund


We trained 10 nursing staff in the critical care unit with hands-on scenarios. Emphasis was also laid on non-technical skills like team coordination, clear concise closed-loop communication, the importance of call for help & assigning team roles.


Pretest and post test were administrated at each section which showed improvement. The feedback was very good and They liked session very much.

Day 3 – 03/02/2021 (Wednesday)



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 Mangaluru-575 018
 03/02/2021

Advanced Comprehensive Clinical Training & Simulation Center

YSH TRAINING –YBLS TRAINING

ACTS-YEN, Simulation Centre; Acts yen conducted YBLS training for the YSH staff from 05.02.2021 to 12.02.2021 as a part of NABH

Day 4 – 05/02/2021(Friday)

Actsyen organized YBLS marathon training for YSH staff at yenepoya specialty hospital

YBLS Program was held at YSH Auditorium from 10.00 am to 4.00 pm.

Facilitators:

Dr.Meghna Mukund

Ms.Kajal K K

We trained 124 healthcare and non healthcare staff with hand -on training

Day 4 – 05/02/2021(Friday)



Day 5 – 06/02/2021 (Saturday)

YBLS Program was held at YSH Auditorium from 10.00 am to 4.00 pm.

Facilitators:

Dr.Aejaz Ahamed

Ms.Sreya M

We trained 61 healthcare and non healthcare staff with hand- on training

Day 5 – 06/02/2021 (Saturday)



Day 6 – 08/02/2021 (Monday)

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Advanced Comprehensive Clinical Training & Simulation Center

Day 6 – 08/02/2021 (Monday)
 YBLS Program was held at YSH Auditorium from 10.00 am to 4.00 pm.
 Facilitators:
 Dr.Thippeswamy
 Mr.Rupesh Kumar

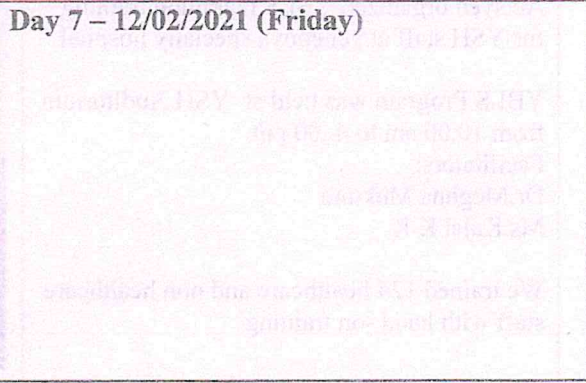
 We trained 68 healthcare and non healthcare staff with hand -on training





Day 7 – 12/02/2021 (Friday)

Day 7 – 12/02/2021 (Friday)
 YBLS Program was held at YSH Auditorium from 10.00 am to 4.00 pm.
 Facilitators:
 Dr.Meghna Mukund
 Dr.Shilpa bhat
 Ms.Kajal K K
 Ms.Sreya M

 We trained 25 doctors of YSH with hand -on training



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Advanced Comprehensive Clinical Training & Simulation Center

YBLS Program was held at YSH Auditorium from 10.00 am to 4.00 pm.

Facilitators:
 Dr.Thippeswamy
 Mr.Rupesh Kumar

We trained 68 healthcare and non healthcare staff with hand -on training

Day 6 – 08/02/2021 (Monday)



Day 7 – 12/02/2021 (Friady)


YBLS Program was held at YSH Auditorium from 10.00 am to 4.00 pm.

Facilitators:
 Dr.Meghna Mukund
 Dr.Shilpa bhat
 Ms.Kajal K K
 Ms.Sreya M


We trained 25 doctors of YSH with hand -on training

Day 7 – 12/02/2021 (Friday)

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 13/02/2021
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YSH TRAINING –PALS & NALS TRAINING

ACTS-YEN, Simulation Centre; Acts yen conducted PALS & NALS training for YSH staff on 16.02.2021 as a part of NABH

Day 8 – 16/02/2021 (Tuesday)

Acts-yen conducted basics of NRP and PALS training for YSH nursing staff in collaboration with pediatric department of YMCH
 Program was held at EMD Auditorium from 10.00 am to 1.30 pm

1) Facilitators:


Dr.Mithun ,
 Dr.Prasad Nayk,
 Dr. Anurag ,
 Dr.Sushma

We trained 10 nursing staff in the Pediatric emergency care unit with hands-on scenarios. Emphasis was also laid on non-technical skills like team coordination, clear concise closed- loop communication, the importance of call for help & assigning team roles. post test were administrated at each section which showed improvement .The feedback was very good and They liked session very much.

Day 8 – 16/02/2021 (Tuesday)



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AHA BASIC LIFE SUPPORT COURSE

On 2nd & 3rd March 2021 interns have undergone AHA (American Heart Association) certified Basic Life Support(BLS) training conducted by Acts yen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|--|--------------------|
| 1 | AHA BLS | Dr.Thippeswamy Dr.Aejaz Ahmed Dr.Shruti T Bhandari | 23 |
| 2 | AHA ACLS | Dr.Aejaz Ahmed Dr.Prabhu Keerthi Dr.Shruthi Mrs.Shanthi Fernandes | 23 |



BLS Hands on session

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Advanced Comprehensive Clinical Training & Simulation Center

TRAIN THE TRAINER PROGRAMME

ACTSYEN conducted train the trainer programme for the faculties of dental college. The programme was held on 8th April 2021 in the ACTSYEN center. The main goal of the programme is to make the faculties train for the procedures like IV injection, IM injection and the CPR training. Three faculties from the dental college have attended the session.

The training programme was started with a pre test, hands on training and the post test and given a brief idea about the checklist. Dr. Meghna Mukund & Dr. Aejaz were the faculties of the training programme.



CPR Hands on session

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Advanced Comprehensive Clinical Training & Simulation Center

YALS TRAINING

Acts yen conducted YALS Training for the Yenepoya Specialty staff nurse as a part of the NABH. Program was held at EMD Auditorium from 10.15 am to 1.00 pm. Basics of ECG beautifully taught by Dr.Aejaz Ahamed and cardiac algorithm was taught by Dr.Meghna Mukund .

We trained 12 nursing staff in the critical care unit with hands-on scenarios. Emphasis was also laid on non-technical skills like team coordination, clear concise closed-loop communication, the importance of call for help & assigning team roles.

Pretest and post test were administrated at each section which showed improvement. The feedback was very good and They liked session very much.

| SL.No | Date | Name of the sessions | Name of the faculty | Number of students |
|-------|------------|----------------------|---|--------------------|
| 1 | 22.04.2021 | NON AHA ACLS | Dr.Meghna Mukund Dr.Aejaz Ahamed Ms.Kajal K K Ms.Sreya M | 6 |
| 2 | 23.04.2021 | NON AHA ACLS | Dr.Meghna Mukund Dr.Aejaz Ahamed Ms.Kajal K K Ms.Sreya M | 6 |



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Cardiac arrest station

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 24/04/2021



AHA BASIC LIFE SUPPORT COURSE

On 29th April 2021 interns have undergone AHA (American Heart Association) certified Basic Life Support(BLS) training conducted by Acts yen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|--|--------------------|
| 1 | AHA BLS | Dr.Aejaz Ahamed Mrs.Shanthi Fernandes | 19 |



BLS Hands on session

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 30/04/2021



AHA BASIC LIFE SUPPORT COURSE

On 29th May 2021 interns have undergone AHA (American Heart Association) certified Basic Life Support(BLS) training conducted by Acts yen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|---|--------------------|
| 1 | AHA BLS | Dr.Meghna Mukund Dr.Thippeswamy Dr.Aejaz Ahamed | 21 |



BLS Hands on session

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YENEPOYA

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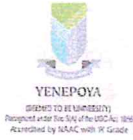
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Programme Reports ACTS-YEN 2020

ATTESTED

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Registrar
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University Road, Deralakatte
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Advanced Comprehensive Clinical Training & Simulation Center

REPORT OF YEN ULTRATHON 2020

Acts yen conducted Yen ultrathon 2020 in collaboration with Anesthesia department on 12th January 2020 at the emd building ,Acts yen centre .This was a CME and interactive workshop on ultrasound in anesthesia and intensive care.95 delegates from around Mangalore attended the CME. It was followed by hands on workshop on TEE, lung ultrasound ,TTE, Airway & vascular ultrasound .

The main organizers were Dr.Meghna Mukund & Dr.Syed Shimar



Inauguration session of Yen ultrathon

Meghna
13/01/2020
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575018

ATTESTED
lb
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REPORT ON WORKSHOP TITLED "BLOOD GASES: INTEGRATED SIMULATION LAB-BASED WORKSHOP" HELD ON FEBRUARY 6, 2020

the Department of Biochemistry, Yenepoya Medical College, Yenepoya (Deemed to be University) organized and conducted the Workshop on February 6, 2020, titled "Blood Gases: Integrated Simulation Lab-based Workshop" in collaboration with Actsyen department, 250 members were participated for the programme. The delegates were divided into small groups of 25 each and 3 such groups were lead to ACTS-YEN for training

Three stations set up at ACTS-YEN were:

1. Human Patient Simulator for the diabetic ketosis casualty patient case scenario. Dr. Shaheen B. Shaikh, Assoc. Professor, Dept. of Biochemistry, Diabetologist, YMCH, explained the case.
2. A virtual experience with Anatomage – for showing the radial arteries and other arteries used for ABG sampling. Dr. Qudusia Sultana, Asst. Professor, Dept. of Anatomy, YMC handled the station.
3. Demonstration of proper arterial blood sampling- Mr. Chethan, BD Specimen Management, demonstrated the proper techniques

The program received excellent positive feedback about simulation lab technology especially the anatomage, program organization and hospitality.



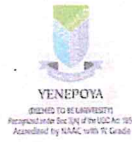
Inauguration session of the program

ATTESTED

Report of Acts yen 2019-2020

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Mangalore-575 018, Karnataka

Chethan
7/02/2020
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575018



REPORT OF AHA BLS & ACLS COURSE

From 10th February 2020 to 12th February 2020 interns & PG's have undergone AHA (American Heart Association) certified Basic Life Support(BLS) & Advanced Cardiac Life Support (ACLS) training conducted by Actsyen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|--|----------------------|
| 1 | AHA BLS AHA ACLS | Dr.Ramkumar Venkateswaran Dr.Thippeswamy Dr.Aejaz Ahamed Dr.Shruthi Dr.Shilpa G K Bhat | 32 -BLS 12 - ACLS |



Hands on session of the training

ATTESTED

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11/02/2020
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Yenepoya Medical College Hospital
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REPORT OF FOUNDATION MAXFAC & BASIC FOUNDATION SKILL COURSE

The center for craniofacial anomalies in association with oral & maxcilosurgery ,foundation maxillofacial surgery and Acts yen conducted a workshop on foundation maxfac & basic foundation skill course held on 2nd March 2020 to 4th March 2020 at 8th floor emd building, Acts-yen .

The main topics were simulation based skills, suturing, OT etiquettes, intubation & BLS.

Workshop details

| | |
|------------------|---|
| Name | foundation maxfac & basic foundation skill course |
| Date | 2nd March 2020 to 4th March 2020 |
| Venue | 8th floor emd building,Acts-Yen |
| Organizers | Dr.B H Sripath Rao Dr.H Harikishore Bhat |
| Resource Faculty | 18 |
| Delegates | 80 |



Hands on session of the training

[Signature]
03/03/2020
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575018

ATTESTED

[Signature]
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REPORT OF TRAUMA SIMWAR

The first ever program based on Simulation was held on Sunday 08/03/2020 in Simulation lab EMD building 8th floor. The Orthopaedic department in coordination with department of Anesthesia and ACTSYEN staff under the leadership of Dr. Meghna Mukund and Dr. Jeevan Pereira organised the event. Five teams comprising of Orthopaedics and Anaesthesia residents participated in the program.

1. Yenepoya Medical College
2. K.S. Hegde Medical Academy (KSHEMA)
3. Father Muller Institute of Medical Sciences
4. Tejasvini Hospital
5. Kasturba Medical College, Mangalore.

AJ Shetty Medical Sciences and Research centre registered but could not participate.

Different trauma scenarios were created as follows:-

- 1) Pelvic Injury with Hypovolemia
- 2) Neurogenic shock
- 3) Fat embolism
- 4) Right Pneumothorax with crush injury right leg
- 5) Massive haemorrhagic shock with right amputated lower limb and left femur and tibia fracture

The feedback obtained was highly positive and all requested for frequent conduction of such program.



Participants Performing the scenario

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Report of Acts yen 2019-2020

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Meghna Mukund
9/10/2020
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Yenepoya Medical College Hospital

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Advanced Comprehensive Clinical Training & Simulation Center REPORT ON FINISHING SCHOOL PROGRAMME

The “ZULEKHA FINISHING SCHOOL PROGRAMME” was organized by Advanced comprehensive Clinical Training and Simulation centre in collaboration with Zulekha nursing college from 9th March 2020 to 14th March 2020, Mangaluru. Total 59 final year B Sc Nursing students participated in the training programme.

Sessions covered in finishing school programme: The 6 days ‘FINISHING SCHOOL PROGRAMME’ (A journey to a better nurse) included the following sessions:

| Date | Topics Covered | Resource Faculty |
|------------|--|---|
| 09.03.2020 | Oxygen Administration & communication Management in Nurses perspectives, Patient shifting transportation, Lab Investigation, professional skills Ethical / professional values Dressing & grooming Being assertive, communication managing stress, Airway management, Catheterization (male and female), Pre operative and post operative ot skills, Orientation to Hemodynamic monitoring | Sr. Alien Dr. Sajad Dr. Rakshita Mrs. Renita Priya Dr. Thippeswamy Mr. Sreekant Mrs. Savitha Dr. Ryan Dr. Aejaz |
| 10.03.20 | Triage & Splinting of fractures, Suturing & sutural removal, Leadership Working in team Decision making Critical thinking, Dialysis Machine Management & Patient care, Iv cannulation, Ryles tube insertion, Ventilation and ICU Skills, Universal Precautions | Dr. Jeevan Ms. Vinitha D'souza Mr. Nelvin Ms. Anju HIC team Mrs. Daisy D souza Dr. Ravindran |
| 11.03.20 | Geriatric Care - Comprehensive assessment and management. Nurses role, ABG, NABH, Infection control, Biomedical Waste Management, Chemotherapy and Biomedical Equipments. | Dr. Prabha Adhikari Dr. Balachandran Dr. Vijetha Dr. Rouchelle Infection control team Dr. Guruprasad Mr. Sampath & team |
| 12.03.20 | First 29 students underwent AHA-Certified BLS Course and other 30 students underwent sessions on Labour management, | Dr. Mehnaz Dr. Mithun Ms. Kajal k k Dr. Meghna Mukund |



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Advanced Comprehensive Clinical Training & Simulation Center

| | | |
|----------|---|--|
| | Conducting normal delivery, PV examination, partograph recording, professional skills (Ethical / professional values, Dressing and grooming Being assertive, communication and managing stress) and Orientation to Virtual Reality (Endoscope, Laproscope, Cath Lab, and USG) | Dr. Thippeswamy Dr. Aejaz Ahammed Dr. Sruthi T bandari Dr. Syed Shimar Dr. Prabhu Keerthi |
| 13.03.20 | 30 students underwent AHA-Certified BLS Course and other 29 students underwent sessions on Labour management, Conducting normal delivery, PV examination, partograph recording, professional skills (Ethical / professional values, Dressing and grooming Being assertive, communication and managing stress) and Orientation to Virtual Reality (Endoscope, Laproscope, Cath Lab, and USG) | Dr. Mehfooza Dr. Mithun Ms. Kajal k k Dr. Aejaz Ahammed Dr. Prabhu Keerthi Mrs. Shanthi |
| 14.03.20 | Medication error, ECG, Introduction to crash cart & ACLS Protocol and career guidance (CV writing, interview and advances in profession) | Dr. Omair Dr. Meghana & Dr. Shilpa Mr. Arun S Nath |

Post test was conducted. The overall performance of the students was good, feedback was collected from the students. Finally distributed the certificates.



A session on infection control by Dr. Rouchelle

Signature
15/03/2020
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575018

ATTESTED

AHA BASIC LIFE SUPPORT COURSE

On 13th July 2020 interns & PG's have undergone AHA (American Heart Association) certified Basic Life Support(BLS) training conducted by Acts yen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|------------------------------|--------------------|
| 1 | AHA BLS | Dr.Aejaz Ahmed Dr.Shruthi | 12 |



Hands on session

ATTESTED



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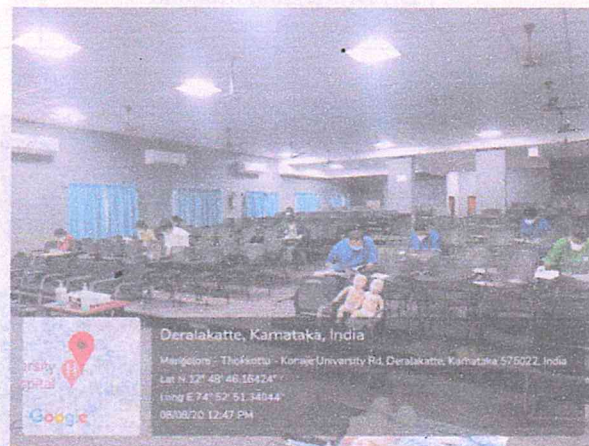
Dr. Aejaz Ahmed
 Chief Co-ordinator, ACTS-YEN
 Yenepoya Medical College Hospital
 Mangaluru-575018

AHA BLS COURSE

On 8th August 2020 interns & PG's have undergone AHA (American Heart Association) certified Basic Life Support(BLS) training conducted by Actsyen at 8th Floor EMD auditorium. The training programme was an international accepted with certification valued for a period of 2 years.


The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies, provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin. feedback was collected from the students. The session was very interesting with the presence of instructors.


| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|--|--------------------|
| 1 | AHA BLS | Dr.Meghna Mukund Dr.Aejaz Dr.Shilpa G K Bhat | 11 |

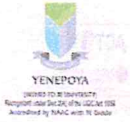


BLS Exam session

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9/8/2020
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Mangaluru-575018



Advanced Comprehensive Clinical Training & Simulation Center



AHA ACLS COURSE

On 12th & 13th August 2020 interns & PG's have undergone AHA (American Heart Association) certified Advanced Cardiac Life support training conducted by Actsyen at 8th Floor EMD auditorium. The training programme was an international accepted with certification valued for a period of 2 years.

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies, provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin. feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|------------------------------------|--------------------|
| | AHA ACLS | Dr. Dr.Meghna Mukund Dr.Shameem | 6 |



ACLS Hands on session

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ACTS YEN REPORT

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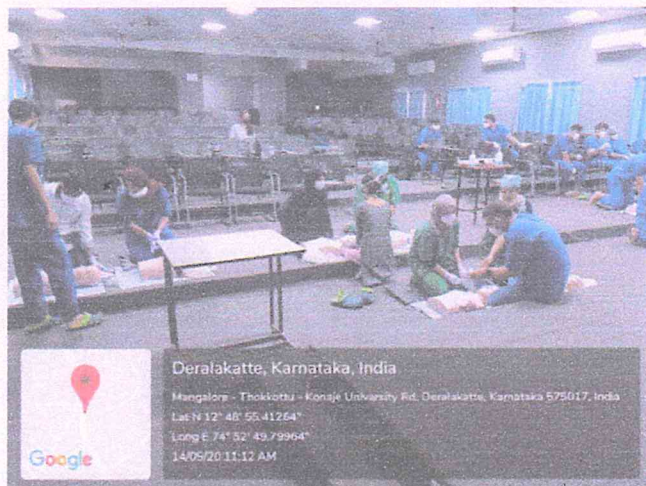


AHA BASIC LIFE SUPPORT COURSE

On 14th September 2020 interns & PG's have undergone AHA (American Heart Association) certified Basic Life Support(BLS) training conducted by Actsyen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|--|--------------------|
| 1 | AHA BLS | Dr.Thippeswamy Dr.Aejaz Ahamed Mrs.Shanthi Fernandes | 18 |



BLS Hands on session

ATTESTED

Dr.Gangadhara Somayaji K.S.
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ACTS YEN REPORT

Handwritten signature
15/08/2020
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575 018



Advanced Comprehensive Clinical Training & Simulation Center

TRAUMA CARE MANAGEMENT



Acts yen conducted Trauma care management workshop as a part of the simulation week on 16th September 2020. Orthopedics department in coordination ACTSYEN staff under the leadership Dr. Jeevan Pereira organized the event. Interns & PG's have participated for the programme. Participants are mainly from the orthopedics department and the OBG department. 16 PG's & Interns have participated for the programme.

At the end of the programme certificates were given to all the participants.



Scenario session

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 Mangalore-575 018, Karnataka

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 Mangaluru-575018



Advanced Comprehensive Clinical Training & Simulation Center
REPORT OF MOULAGE COMPETITION



The first ever Moulage competition in India based on Simulation was held on 31.10.2020 as part of Halloween in Simulation lab, Yenepoya Medical College Hospital, organized the event by ACTSYEN staff under the leadership of Dr. Meghna Mukund and Dr. Jeevan Pereira. 12 teams from the different colleges participated in the program.

1. Yenepoya Medical College
2. K.S. Hegde Medical Academy (KSHEMA)
23. Father Muller Institute of Medical Sciences

Dr. Jeevan Pereira, assistant professor, simulation coordinator, orthopedics department welcomed the gathering and enlightened the gathering with an overview of the competition. Rules and regulations were given by Dr. Meghna Mukund and Dr Jeevan .

Each team created their own themes which students were made to work together for the best outputs. Faculty evaluated the teams based on the checklist grading creative theme, realism, tidiness, material, and team behaviour. The team which committed the least mistakes and the creative theme was judged as the best team and was awarded the 1st prize. That is a cash prize of Rs. 500/- to each member. 2nd prize, 3rd prize and 3 consolation prizes were given as the performance was equal. Accordingly, K. S. Hedge Medical Academy bagged the 1st prize. 2nd prize bagged by Father Muller Institute of Medical Sciences and the consolation prizes were bagged by K. S. Hegde Medical Academy bagged and Yenepoya Medical College.

Following department staff actively participated in the program.

1. Dr. Harish Hedge
2. Dr. Meghna Mukund
3. Dr. Jeevan
4. Dr.Thippaswamy

The program ended with prize and certificate distribution to the candidates .



Prize distribution



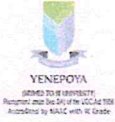
Explaining about Moulage

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ACTS YEN REPORT

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Dr. Jeevan Pereira 01/11/20
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangalore-575018



Advanced Comprehensive Clinical Training & Simulation Center
REPORT ON EMERGENCY NURSING LIFE SUPPORT PROGRAMME



The Second ENLS (emergency nursing life support) **instructor course** was organized by Jeevaraksha in collaboration with Advanced comprehensive Clinical Training and Simulation centre from 9.11.2020 to 12.11.2020 at EMD Auditorium, Yenepoya (Deemed to be University), Mangaluru.

Jeeva Raksha programme was initiated collaboratively by Karnataka State Health University – Rajiv Gandhi University of Health Sciences (RGUHS), and Swami Vivekananda Youth Movement, Mysuru in technical collaboration with University of Utah, USA. This stressed on the need of the curricula to be broad based and address all common emergencies that they encounter, namely, Cardiac, Respiratory, Obstetric, Paediatric including Neonates, Trauma, 2 Burns, Poisoning including animal and insect bites.

JeevaRaksha course focuses on recognizing and managing critical illnesses that are common in the Indian setting as mentioned above to the nurses. This is the FIRST university recognizing Emergency Care Skills Certificate programme in the World. Total 30 nurses and nursing faculties were participated in the training programme and 18 step2 faculties and 20 jeevaraksha faculties participated.

Proceedings:

Dr. Lulu sheriff Anesthesia department , fathermuller medical college course director welcomed the gathering and enlightened the gathering with overview of the training.

The 4 days 'EMERGENCY NURSING LIFE SUPPORT' (A journey to a better nurse) included the following sessions:

Day 1 (09.11.2020): Recognition of the critical III :news, triage general principles, airway management , cardiac emergency , practical skill session

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[Signature]

Dr. Gangadhara Somayaji K.S.
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ACTS YEN REPORT

[Signature]
13/11/2020
Chief Co-ordinator, ACTS-
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Page 8

Advanced Comprehensive Clinical Training & Simulation Center

Day 2 (10.11.2020): Recognition and early steps, Trauma HAB, Trauma nursing CDE- practical session, Burns nursing , Communication modules with scenario, paediatrics and neonatal emergencies - practical section

Day 3(11.11.2020): neurologic emergencies, toxicology poisoning and animal bites, safe transfer: strategy and checklist ,obstetric emergencies- practical session, Psychiatric emergencies, medicolegal documentation, final written examination, course evaluation

Day 4(12.11.2020): Introduction to ENLS TOT session, Adult learning principles: Tot Session, IMPACT Station: principles, Creating positive training climate: Tot session, Facilitation to assist in learning :Tot Session ,scenario training, next steps : becoming a trainer/Rolling out ENLS

Post test and practical exam conducted end of the every section . The overall performance of the students was good.

Valedictory

The Valedictory of “**ENLS instructor course**” was scheduled on 12.11.2020 at 4.00 PM in EMD Auditorium.

Dr.Vijay kumar vice chancellor , Yenepoya university , Sr. Aileen Mathias, Chief Nursing officer, Yenepoya Medical college hospital ,Dr.Ram Kumar Chief executive officer Jeeva Raksha and Dr. Leena KC ,Principal, Yenepoya Nursing college were present at the programme.

Sr. Aileen Mathias welcomed the gathering. Ms Reena Frank , Nursing faculty of FMHC, programme coordinator delivered the overall journey of jeevaraksha.

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Candidates feedback was taken. They expressed that ENLS Course were helpful to improve and renew the skills K. S. Hegde Medical Academy bagged related to nursing procedures. All the sessions were much appreciated.

The programme ended with certificate distribution to the candidates and vote of thanks by Dr.Meghna Mukund.

Dr. Meghna mukund and Ms. Kajal were the program convener and executive assistant of the program Mr. Rupesh Kumar.

ACTSYEN INCHARGE : Dr. MEGHNA MUKUND

SIMULATION ENGINEER : Ms. KAJAL K K

ATTENDER : Mr. RUPESH




Group Photo

ATTESTED


Dr.Gangadhara Somayaji K.S.
Registrar

Yenepoya (Deemed to be University)

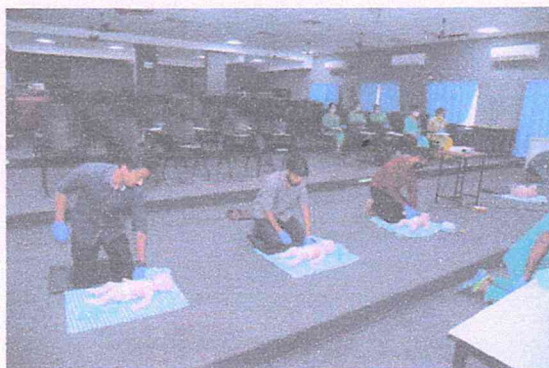

Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575 018

AHA BLS & ACLS COURSE

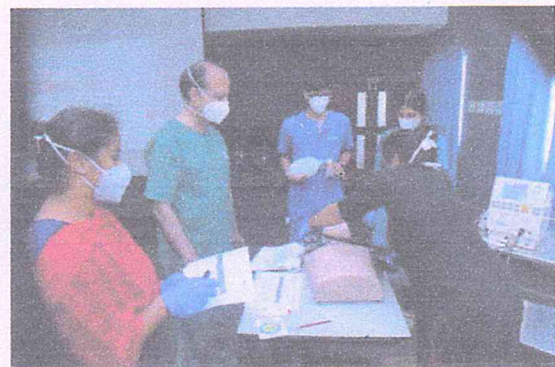
From 16th to 18th November 2020 interns & PG's have undergone AHA (American Heart Association) certified Basic Life Support (BLS) & Advanced Cardiac Life support training conducted by Actsyen at 8th Floor EMD auditorium. The training programme was an international accepted with certification valued for a period of 2 years.

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies, provide CPR use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin. Feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|---------------------------------------|--------------------|
| 1 | AHA BLS | Dr.Aejaz Ahamed Dr.Shilpa G K Bhat | 11 |
| 2 | AHA ACLS | Dr.Aejaz Ahamed Dr.Shruthi | 7 |



BLS Hands on session



ACLS cardiac arrest station

ATTESTED



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Aejaz 19/11/2020
Chief Coordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575018

HEART SAVER FIRST AID CPR AED COURSE

On 6th December 2020 Acts yen conducted Heart saver first aid CPR AED Course for the Mangalore surf club members. 6 of them have joined for the programme. The course is an AHA Certified and valued for a period of 2 years. The Heart saver CPR AED course trains participants to give CPR, and use an automated external defibrillator (AED) in a safe, timely, and effective manner reflects science and education from the American Heart Association Guidelines. Dr. Meghna Mukund was the main instructor of the programme.

This course teaches

- First aid basics
- Medical emergencies
- Injury emergencies
- Environmental emergencies
- Preventing illness and injury
- Adult CPR and AED use
- Opioid-associated life-threatening emergencies
- Optional modules in Child CPR AED and Infant CPR



Hands on session

ATTESTED

Dr. Gangadhara Somayaji K.S.
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Mangalore-575 018, Karnataka

ACTS YEN REPORT

Meghna Mukund 7/12/2020
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575018

Page 13



Advanced Comprehensive Clinical Training & Simulation Center

AHA BASIC LIFE SUPPORT COURSE

On 21st December 2020 interns have undergone AHA (American Heart Association) certified Basic Life Support(BLS) training conducted by Actsyen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|---|--------------------|
| 1 | AHA BLS | Dr.Thippeswamy Dr.Aejaz Ahamed Dr.Shruti,T Bhandari | 24 |



BLS Hands on session

ATTESTED

 Dr.Gangadhara Somayaji K.S.
 Registrar
 Yenepoya (Deemed to be University)
 University Road, Derlakatte
 Mangalore-575018, Karnataka

Chief Co-ordinator, ACTS-YEN
 Yenepoya Medical College Hospital
 Mangaluru-575018
 22/12/2020



YENEPOYA

(DEEMED TO BE UNIVERSITY)

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Programme Reports ACTS-YEN 2019

ATTESTED

Dr. Gangadhara Somayaji K.S.
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Mangalore - 575 018, Karnataka

REPORT OF MANIPAL SCHOOL VISIT

Manipal school students had visited simulation center as a part of their curriculum on 18th January 2019. 51 students had visited the center. The topic covered was reproductive system. The session was arranged as 4 stations as given below.

| Sl No | Topic | Equipment and other aids required/ room | Time required | Resource faculty |
|-------|--|---|---------------|--------------------------|
| 1 | Female reproductive organ Male reproductive organ | Anatomage table | 20 min | Mr. Bollavaram Pullanna, |
| 2 | To demonstrate what a Obstetric USG shows | Ultrasound Virtual simulators | 15 min | Dr. Vishwanath Reddy |
| 3 | Normal Labour | MFS | 15 min | Dr. Smitha B Rao |
| 4 | Psychiatry session | EMD Auditorium | 20 min | Dr. Ravichandra Karkal |

The feedback was collected from the students



Session by Dr. Smitha B Rao

ATTESTED



Dr. Gangadhara Somayaji K.S.
Registrar

Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka



19/01/2019

Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575018

REPORT OF FACULTY DEVELOPMENT PROGRAMME

Acts yen conducted Faculty development programme for the faculties of Yenepoya Medical College faculties on 18th January 2019 at the Acts yen center. 23 faculties were trained for the programme.

| Day 1/time | Description | Resource persons |
|-----------------------|---|---------------------------------|
| 9.00-9.10am | Introduction to simulation lab | Dr.Rashmi |
| 9.10-9.30am | Developing a course | Dr.Rashmi Jain, Dr AswiniDutt |
| 9.30-10.00 am | Planning a clinical scenarios | Dr.Thippeswamy&Ms.Kajal |
| 10.20-11.00am | Running a clinical scenario(HPS) | Dr.Meghna, Dr.Ryan, Dr.Prakruti |
| 11.00 -11.30am | Debriefing – basics | Dr. Ryan, Dr.Meghna |
| 11.30-11.45am | Crisis Resource management | Dr.Meghna, Dr Rashmi Jain |
| 11.45-12.00pm | Use of standardised ' patient for simulation based teaching | Dr.Ravichandra Karkala |
| 12.00 noon – 12.30 pm | Research potential at Acts Yen | Dr Aswini Dutt, Dr Rashmi Jain |
| 12.30pm-12.50pm | Familiarization with the facilities at ACTS-YEN | |
| | Metiman sensitisation | Dr.Jeevan |
| | OBG (MFS) Sensitisation | Dr.Smitha |
| | Anatome training | Dr.Qudsia/ Dr.Bindu / Dr.Meera |
| | Task trainers sensitisation | Dr.Thippeswamy |
| | Ultrasound & ECHO sensitization | Dr.Meghna, Ms.Keerthana |
| | Lap & bronchoscope | Dr. Ryan |
| | Blue phantom | Dr.Meghna / Ms.Kajal |

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| | | |
|--------------------------------|--|---|
| | Ophthosim | Dr.Rashmi |
| 12.50 - 1.30 pm – lunch | | |
| 1.30– 2.15pm | Planning a clinical scenario - Team based activity | Dr Meghna-session leader Each group leader - Dr Prakruthi, Dr Jeevan and Dr Smitha |
| 2.15 – 3.15pm | Running of scenerios | Dr. Meghana Dr Prakruthi, DrJeevan, Dr Ryan, Dr Smitha, Dr Rashmi |
| 3.15 - 3.30 pm | Future planning | Dr Meghna and Dr Rashmi |

The feedback from the faculties was collected.



A session by Dr.Prakruthi

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YENEPOYA
DEEMED TO BE UNIVERSITY
Approved under Sec. 3 of the UGC Act, 1956
Accredited by NAAC with 'A' Grade

Advanced Comprehensive Clinical Training & Simulation Center



REPORT OF 2nd FACULTY DEVELOPMENT PROGRAMME

Acts yen conducted 2nd session of Faculty development programme for the faculties of Yenepoya Medical College faculties on 19th March 2019 at the Acts yen center. 23 faculties were trained for the programme

- 1.The primary stage of the FDP programme was scenario explanation by Dr.Thippeswamy followed by preparing the scenario .
- 2.Dr.Thippeswamy given an idea about Muse software ,explained the usage of muse software and navigation of the software and also about the touch pro .
3. After the session he built a new scenario .
- 4.Then divide the faculties into small groups, participants worked in a small groups to design the simulation scenario.
- 5.After the preparation of scenario run it.
- 6.Finally De-Briefing was done by Dr.Ryan



De-briefing session by Dr.Ryan

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REPORT OF THE WORKSHOP- SIMULATION IN PHYSIOLOGY: “AN YENRICHING JOURNEY TOWARDS INTEGRATED COMPETENCY BASED APPROACH”

Advanced Comprehensive Clinical Training and Simulation Center (ACTS-YEN) & Department of Physiology, Yenepoya Medical College conducted a Workshop - Simulation in Physiology: “An YENriching Journey towards Integrated Competency based approach” on 21.03.2019, at ACTS-YEN, EMD Building, 8th Floor, Yenepoya Medical College Hospital.

The main aim was to sensitize the faculty on the intricacies involved in designing, developing and implementing simulation teaching in physiology for undergraduate students.

10.45 a.m.-11.00 a.m.

Decoding CBME - Dr. Rashmi Jain, Associate Professor of Ophthalmology, ACTSYEN Chief Coordinator, MEU Coordinator, YMC.

11.00 a.m.-11.30 a.m.

Blueprinting Competencies in Physiology: Role of Simulation- Dr. Aswini Dutt R., Professor and Head, Department of Physiology, YMC .

11.30 a.m.-12.45 p.m.

• **Simulation based scenario: How we do it**

- Dr. Meghana Mukund, Associate Professor of Anaesthesiology, YMC
- Dr. Ryan Fernandes, Assistant Professor of Surgery, YMC.
- ACTSYEN and Physiology Team

01.15 p.m.-02.45 p.m.

• **Move through ACTSYEN and get aligned**- ACTSYEN and Physiology Team

02.45 p.m.-03.15 p.m.

• **Group activity**- ACTSYEN and Physiology Team

03.15 p.m.-03.45 p.m.

• **Open house** - ACTSYEN and Physiology Team



Inauguration of the workshop

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REPORT OF ABBOTT WORKSHOP


Acts yen conducted ABBOTT Workshop in collaboration with ABBOTT Team on 21st March 2019 in the Acts yen center. 17 members were participated for the programme. 4 case scenario was done during the workshop. Introduction of HPS was given by Dr. Thippeswamy, Anesthesia department. Dr. Mukul Chandra Kapoor, Director who have explained about the case scenarios.

later divide them into small groups, did the hands on scenarios followed by the de-briefing. The feedback was collected from the participants. The participant received med anesthesia simulation certification.



Explanation of the scenario

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28/03/2019
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Advanced Comprehensive Clinical Training & Simulation Center

REPORT OF NON AHA CARDIAC LIFE SUPPORT

On 16th April 2019 Nurses have undergone Non AHA Advanced Cardiac Life Support (ACLS) training conducted by Acts yen at 8th Floor EMD auditorium . The training programme was Yenepoya certified training .23 staff nurse were trained ,out of this 10 nurses from Yenepoya medical college hospital & 13 from Yenepoya Specialty hospital.

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use of defibrillator, and relieve , timely and effective manner. The course was followed by hands on training on mannequin .feedback was collected from the participants. The session was very interesting with the presence of instructors.



Hands on session of NON AHA ACLS

[Handwritten Signature]
17/04/2019
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Yenepoya Medical College Hospital
Mangaluru-575018

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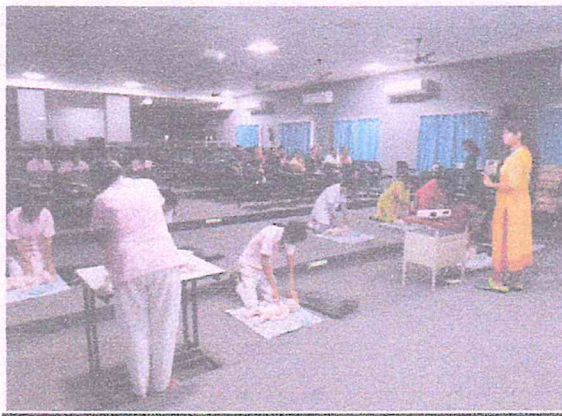
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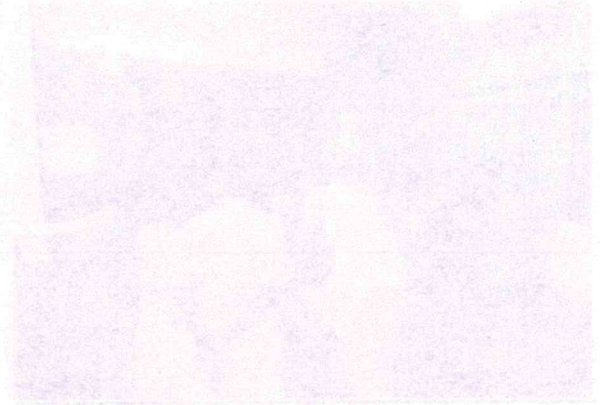
REPORT OF PAEDIATRIC ADVANCED LIFE SUPPORT(PALS)

Acts yen conducted Pediatric Advanced Life Support (PALS) programme on 25th April 2019 at the emd auditorium. 28 people were trained for the programme. The goal of the course was to aid the pediatric healthcare provider in developing the knowledge and skills necessary to efficiently and effectively manage critically ill infants and children, resulting in improved outcomes. Professional healthcare providers use PALS during the stabilization and transportation phases of a pediatric emergency ,in or out of hospital.

Dr.Rashmi Alva was the main facilitator of the programme



Hands on session of PALS



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REPORT OF OBG WORKSHOP

ACTS-YEN in collaboration with the Department of OBG Nursing, Yenepoya Nursing College organized a regional workshop on "Midwifery simulation and skills-Leading the way with quality care" on 30.4.2019 from 9.00 am to 4.00 pm at ACTS-YEN Auditorium, EMD Building, 8th floor of Yenepoya Deemed to be University, There were total 87 delegates from different colleges of Mangalore

| Time | Session details | Resource Faculty |
|-------------|---|---|
| 9.30-10.15 | Session 1 Simulation based learning in midwifery nursing perspective | Dr.Sonia R B D'Souza |
| 11.00-11.45 | Session 2 Recent advancement in labor management | Dr.Amar Ramachandrn |
| 11.45-12.15 | Session 3 Competencies in conducting normal delivery | |
| 12.15-1.00 | Session 4 Intrapartum fetal monitoring | Dr.Vidyasree Kamath |
| 2.00-4.00 | Session 5 Simulation activities: Conducting delivery using simulator, NST interpretation, Recording partograph, Non technical skills | Dr.Smitha B Rao Dr.Meghna Mukund Mrs.Janet Mrs.Vinaya Kumari Ms. Vinitha D'Souza Ms.Amisha Ms.Pallavi |



Performing the scenario

Michael
g.105/2d9
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575018

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Advanced Comprehensive Clinical Training & Simulation Center

REPORT OF NEONATAL ADVANCED LIFE SUPPORT

Acts yen conducted Neonatal Advanced Life Support (NALS) programme on 3rd May 2019 at EMD auditorium 29 Staff nurses were trained for the programme. 17 Yenepoya medical college staff nurses & 12 Yenepoya specialty staff nurses were the participants. neonatal Advanced Life Support course has been designed to teach an evidence-based approach to resuscitation of the newborn. The causes, prevention, and management of mild to severe neonatal asphyxia are carefully explained so that health professionals may develop optimal knowledge and skill in resuscitation. The course was followed by hands-on sessions

Certificates was provided for the participants



hands on session on NALS

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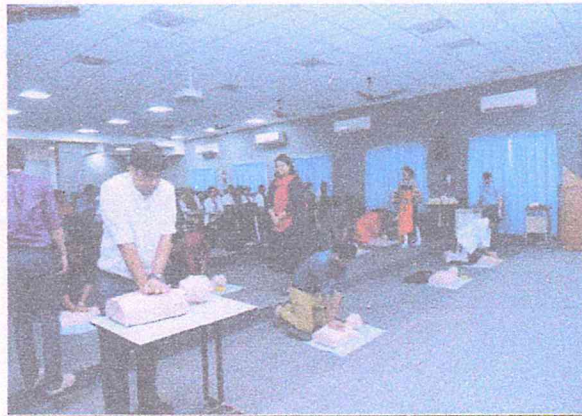
[Signature]
03/05/2019
Chief Co-ordinator, ACTS-YEN
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REPORT OF AHA BLS & ACLS COURSE

From 13th May 2019 to 15th May 2019 interns & PG's have undergone AHA (American Heart Association) certified Basic Life Support(BLS) & Advanced Cardiac Life Support (ACLS) training conducted by Actsyen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|---|----------------------|
| 1 | AHA BLS AHA ACLS | Dr.Meghna Mukund Dr. Thippeswamy Mr.Arun S Nath | 27 -BLS 13 - ACLS |



1.Hands on session of BLS



2.Hands on training of ACLS

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16/05/2019

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Yenepoya Medical College Hospital

REPORT OF NEONATAL RESUSCITATION PROGRAME(NRP)

Acts yen in association with the Department of Paediatric and IAP DK branch conducted the advanced NRP Provider course, a training workshop about Neonate Resuscitation on 15.06.2019 at EMD Building 8th Floor Auditorium. 40 Participants from all over Karnataka attended the workshop including postgraduates from various medical colleges and general pediatricians.

| Workstation | Faculty |
|--------------------------------------|------------------------|
| Preparation at Birth & Initial Steps | Dr. Leslie Lewis |
| PPV | Dr. Vikram Kumar |
| Chest compression | Dr. Rajendra B Shinde |
| Intubation | Dr. Jagadish Somanna |
| Drugs & Vascular access | Dr. Vishwas S N |
| Integrated Skills Station | Dr. Manisha Bhandankar |
| Case Based Resuscitation scenarios | Dr Vinayaka Gopal |
| Special Circumstances | |
| Preterm resuscitation | |



Hands on session of NRP

Deemed
16/06/2019
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575013

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REPORT OF AHA BLS & ACLS COURSE

From 17th June 2019 to 19th June 2019 interns & PG's have undergone AHA (American Heart Association) certified Basic Life Support(BLS) & Advanced Cardiac Life Support (ACLS) training conducted by Actsyen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|---|----------------------|
| 1 | AHA BLS AHA ACLS | Dr.Meghna Mukund Dr.Thippeswamy Dr.Shilpa G K Bhat Dr.Ramkumar Venkataswaran Dr.Gayathri Bhat | 27 -BLS 17 - ACLS |



1.Hands on training of BLS



2.Hands on training of ACLS

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Advanced Comprehensive Clinical Training & Simulation Center

REPORT ON FINISHING SCHOOL PROGRAMME

The Second "FINISHING SCHOOL PROGRAMME" was organized by Yenepoya Nursing college (constituent college of Yenepoya Deemed to be university) in collaboration with Advanced comprehensive Clinical Training and Simulation centre from 22nd July 2019 to 27th July 2019 at EMD Auditorium, Yenepoya (Deemed to be University),Mangaluru. Total 97 final year B Sc Nursing students participated in the training programme.

Proceedings:

| Date | Topics Covered | Resource Faculty |
|------------|---|--|
| 22.07.2019 | Lab Investigation, Triage & Splinting of fractures , Catheterization, IV Cannulization, Ventilation & ICU skills, Orientation to Hemodynamic monitoring and Wound Suturing | Mrs. Lavita Dr. Jeevan Mrs. Melba Mrs. Prashma & Mr. Santhosh Mr. Praveen Dr. Ajaez |
| 23.07.2019 | Oxygen Administration & Management, Patient shifting transportation, Leadership, Dialysis Machine Management & Patient care , Universal Precautions, Ryles tube insertion and Airway Management: endotracheal intubation & Tracheostomy care. | Sr. Alien Mr. Sajad Dr. Padmapriya Mr. Nelvin Dr. Ryan HIC Team Mrs. Janet/ Ms. Vinita D'souza Dr. Thippeswamy |
| 24.07.2019 | Hospital Operation & administration, ABG, NABH, Infection control, Biomedical Waste Management, Chemotherapy and Biomedical Equipments | Dr. Nagaraj Mrs. prajna Dr. Vijitha Dr. Rouchelle Infection control Dr. Guruprasad Mr. Fahad & team |
| 25.07.2019 | First 50 students underwent AHA-Certified BLS Course and other 47 students underwent sessions on Labour management, Conducting normal delivery, PV | Dr. Mehfooza Ahmed Mrs. Viji Mrs. Renita Ms. Kajal k k Dr. Lokvendra Singh Budania Dr Eeshwar M V |

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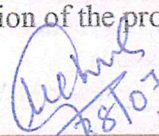
| | | |
|------------|---|--|
| | examination, partograph recording, professional skills (Ethical / professional values, Dressing and grooming Being assertive, communication and managing stress) and Orientation to Virtual Reality (Endoscope, Laproscope, Cath Lab, and USG) | Dr. Prabhu Keerthi Dr Meghana |
| 26.07.2019 | 47 students underwent AHA-Certified BLS Course and other 50 students underwent sessions on Labour management, Conducting normal delivery, PV examination, partograph recording, professional skills (Ethical / professional values, Dressing and grooming Being assertive, communication and managing stress) and Orientation to Virtual Reality (Endoscope, Laproscope, Cath Lab, and USG) | Dr. smitha Mrs. Viji Mrs. Renita Mrs. Kajal k k Dr. Lokvendra Singh Budania Dr Eeshwar M V Dr. Prabhu Keerthi Dr Meghana |
| 27.07.2019 | PALS, ECG, Introduction to crash cart & ACLS Protocol and career guidance (CV writing, interview and advances in profession) | Dr. Rashmi Alva Dr Meghana and Dr Zakiya Mr. Arun S Nath |



1. Inauguration of the program



2. Certificates were distributed for the students


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REPORT ON FINISHING SCHOOL PROGRAMME

The "FINISHING SCHOOL PROGRAMME" was organized by Advanced comprehensive Clinical Training and Simulation centre in collaboration with Yenepoya nursing. Total 96 final year B Sc Nursing students participated in the training programme.

| Date | Topics Covered | Resource Faculty |
|----------|---|--|
| 26.09.19 | Airway management, Orientation to Hemodynamic monitoring, Iv cannulation, Ryles tube insertion, Ventilation and ICU Skills, Biomedical Waste Management, Oxygen Administration & Management | Mrs. Renita Priya Mrs. Indu Mathi Ms. Anjaly p Dr. Aejaz, Sr. Aileen Dr. Rouchelle Infection control team |
| 27.09.19 | Catheterization (male and female), Wound Dressing, Universal precaution, Airway Way Management, Chemotherapy, Biomedical Equipments | Mr Anand & Mrs. Reema Sr. Aileen, Infection control, Thippeswamy, Dr. Guruprasad, Biomedical team |
| 28.09.19 | Lab investigation, Patient shifting and transporting, Dialysis Machine Management & Patient care, Orientation to endoscope, LapVR, Cath Lab., USG | Nileema Sajad Vani Kajal K K |



Session by Sr. Alien Mathias

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REPORT ON CALS WORKSHOP

Acts yen conducted Cardiac Advanced Life Support (CALS) workshop in collaboration with Mediknit on 12th October 2019 at EMD Auditorium and acts yen centre .The training was mainly offered for the multidisciplinary teams of surgeons ,nurses & critical care practitioners working in cardiac surgical units. 12 staff nurse and one doctor had attended the program. The course was run by a mixture of local ,national & international faculty ,the course consists of pre course e-learning module. The course was offered in two formats ;provider course and train the trainer course .

The course was consist of Didactic lecture, practical sessions, moulages, simulation exercises & skilled stations. The main highlight of course was all candidates will receive CALS international certificate with a unique ID issue centrally CALS UK (validity of two years) .

| Date | Topics Covered | Recourse Faculty |
|------------|--|--|
| 12.10.2019 | <ul style="list-style-type: none"> • Emergency re-sternotomy • Airway management • Use of pacing & balloon pump • Eacts/STS Cals protocol • 5 point action plan 6 role team approach resuscitation on 4th generation 3D mannequin | Dr.Anitha Dr.Kiran Salaunkey Dr.Sameer Kadam |



CALS Members

[Signature]
13/10/2019
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REPORT ON LAPAROSCOPY CHOLECYSTECTOMY -IN SITU SCENARIO

Acts yen conducted in situ scenario on the basis of laparoscopy cholecystectomy on 1st November 2019 .This was held at 6th floor operation theatre . one of the high fidelity simulator "METIMAN" which was shifted to the operation theatre .20 were participated for the program. Dr.Meghna Mukund was the main coordinator for the program. Scenario went very well with the help of simulation engineers & biomedical department.



performing the scenario

Meghna Mukund
 27/11/2019
 Chief Co-ordinator, ACTS-YEN
 Yeneploya Medical College Hospital
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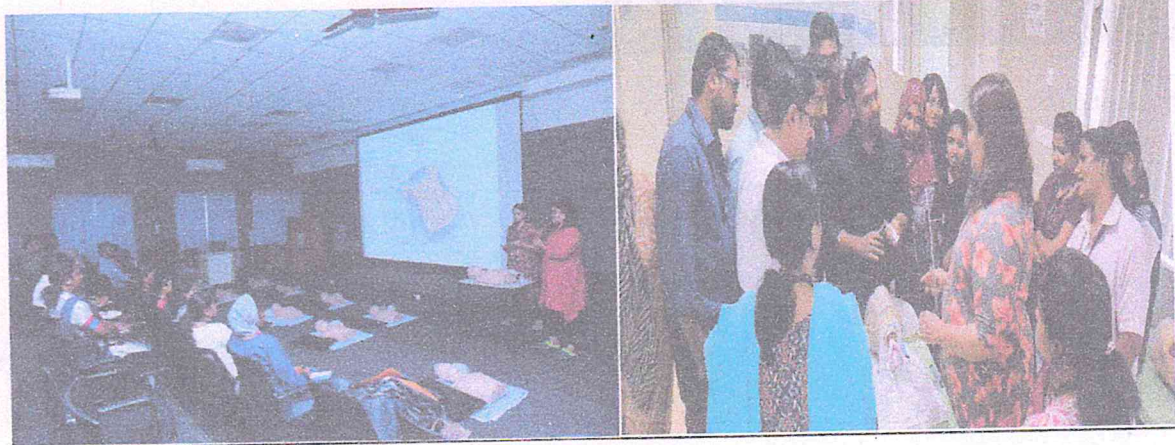


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REPORT ON NON AHA BLS & ACLS TRAINING FOR AYURVEDA COLLEGE DOCTORS & NURSES

On 12th November 2019 & 13th November 2019 Ayurveda college Doctors & Nurses have undergone Non AHA Basic Life Support(BLS) & Advanced Cardiac Life Support (ACLS) training conducted by Acts yen at 8th Floor EMD auditorium . The training programme was Yenepoya certified training .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, Defibrillator , and relieve , timely and effective manner. The course was followed by hands on training on mannequin .feedback was collected from the participants. The session was very interesting with the presence of instructors.20 participants were trained for the programme



1.Explanation of training by Dr.Meghna Mukund 2.Training of intubation

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Dr. Meghna Mukund
13/11/2019
Chief Co-ordinator, ACTS-YEN
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REPORT ON CODE BLUE - MOCK TEST

Acts-yen conducted code blue mock test for the staff nurse on 14th November 2019. The programme was held at 6th Floor ward. Dr. Meghna Mukund was the main Coordinator for the programme with the Acts-yen team. 10 staff nurses have participated for the code blue -mock test. The main aim of the mock test is to give an idea about code blue and how to perform during this situation. The nurses were assisted by Dr. Aejaz & Dr. Shruthi from Aneasthesia department. The code blue team also had participated for this session.



Performing the code blue

Meghna
15/11/2019
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REPORT ON TRIAGE (IN-SITU SCENARIO)

Acts yen conducted in situ scenario on the basis of triage for the Orthopedics post graduate students and the causality staff. This was held at Causality department. one of the high fidelity simulator "METIMAN" which was shifted to the causality for the scenario. total number of participants were 12, The session went very well. After the session de-briefing was done at simulation lab. The scenario was conducted on 21st November 2019.



Explaining scenario by Dr.Jeevan Pereira

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22/11/2019
Chief Co-ordinator, ACTS-YEN
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Mangalore

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REPORT OF AHA BLS & ACLS COURSE

From 4th November 2019 to 6th November 2019 interns & PG's have undergone AHA (American Heart Association) certified Basic Life Support(BLS) & Advanced Cardiac Life Support (ACLS) training conducted by Acts yen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|--|---------------------|
| 1 | AHA BLS AHA ACLS | Dr.Meghna Mukund Dr.Thippeswamy Dr.Aejaz Ahamed Dr.Shruthi Dr.Shimar Dr.Muhammed Sali | 28 -BLS 9 - ACLS |



Hands on session of BLS training

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REPORT OF AIRWAY WORKSHOP WITH COVIDIEN GROUP

Acts yen conducted Airway workshop in collaboration with covidien group and anesthesia department on 6th December 2019. 45 people were participated for the programme. Dr. Thippeswamy from Anesthesia department was the main coordinator of the programme.

The covidien group has introduced new sets of airway devices during the programme, faculties from anesthesia department given a demonstration regarding the airway management by using the intubation head and show the airway path by using the endoscopy.



Airway workshop team

Dr. Thippeswamy
 7/12/2019
 Chief Co-ordinator, ACTS-YEN
 Yenepoya Medical College Hospital
 Mangaluru-575018

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REPORT OF AHA BLS & ACLS COURSE

From 9th December 2019 to 11th December 2019 interns & PG's have undergone AHA (American Heart Association) certified Basic Life Support (BLS) & Advanced Cardiac Life Support (ACLS) training conducted by Actsyen at 8th Floor EMD auditorium. The training programme was an international accepted with certification valued for a period of 2 years.

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies, provide CPR, use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin. Feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|--|----------------------|
| I | AHA BLS AHA ACLS | Dr.Meghna Mukund Dr.Aejaz Ahamed Dr.Shruthi Dr.Shimar | 25 -BLS 13 - ACLS |



Hands on session of BLS

Aejaz
20/12/2019
Chief Co-ordinator, ACTS-YEN
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kes
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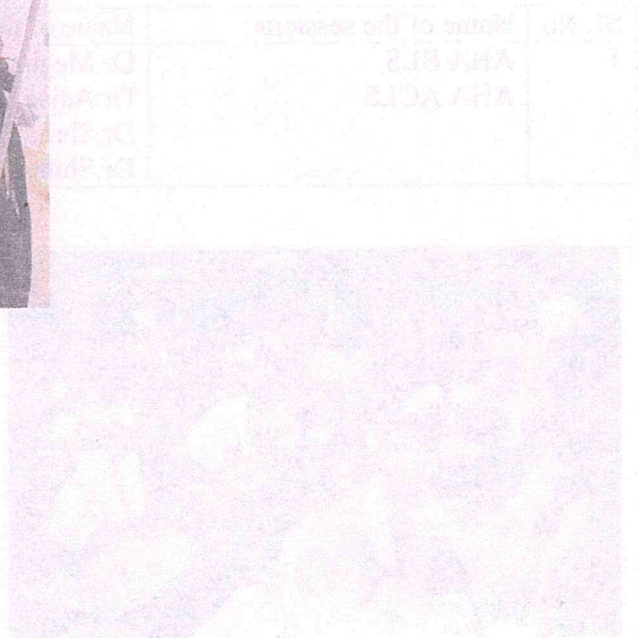
Advanced Comprehensive Clinical Training & Simulation Center

REPORT ON LABOUR MANAGEMENT

Acts yen conducted labour management skill development programme for the final year nursing students as a part of finishing school programme .The program was held on 30th December 2019 at the Acts yen center.27 Students got trained for the session by using Maternal Fetal Simulator (MFS).Dr.Smitha B Rao & Dr.Mehnaz Abdulla was the recourse faculty for the session .6 students were allotted for the scenario out of this one doctor ,two nurses one intern ,one PG & one patient party. Students did the scenario with the help of the faculty.



Hands on session of normal delivery



[Handwritten Signature]
27/12/2019.
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
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ATTESTED
[Handwritten Signature]
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Programme Reports ACTS-YEN 2018

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Report of OBE 4 Anaesthetists workshop

on 23rd January 2018 Department of Anaesthesia in association with ACTS-YEN conducted OBE 4 Anaesthetists workshop at EMD Auditorium. The session were about management of obstetric emergencies for anaesthetics, pre-operative uses of transthoracic echo for management of hemodynamic followed by hands-on scenarios. 22 people were trained on this session.

| RESOURCE FACULTY | DESIGNATION |
|-----------------------|---|
| Dr.Sudhindra Kulkarni | MD (Anaesthesia), FRCA, EDIC, FFICM Consultant at Lancashire Teaching Hospitals, United Kingdom. International Simulation Training (Ultrasound) Expert. |
| Dr.Madhusudan Upadya | Prof. Of Anaesthesiology, KMC Mangalore, Member Obstetric Committee WFSA. |
| Dr.Smitha Rao | Assoc. Prof. Dept of OBG & Simulation Educator, Yenepoya University Hospital. |
| Dr.Meghna Mukund | Assoc.Prof. Dept of Anaesthetics & Chief Coordinator, ACTSYEN, Yenepoya University Hospital. |

The participants felt the workshop helped them in understanding not just the technical but all aspects of non technical skills including the role of anaesthetists as good communicators. Overall feedback from the participants was excellent.



Dr.Meghna Mukund explaining about scenario



De-briefing session by Smitha Rao

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 Page 25

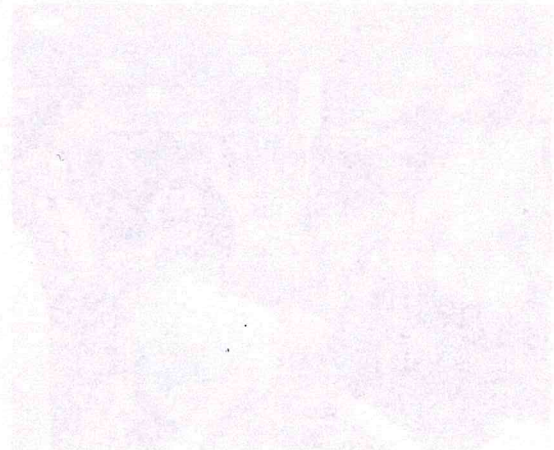
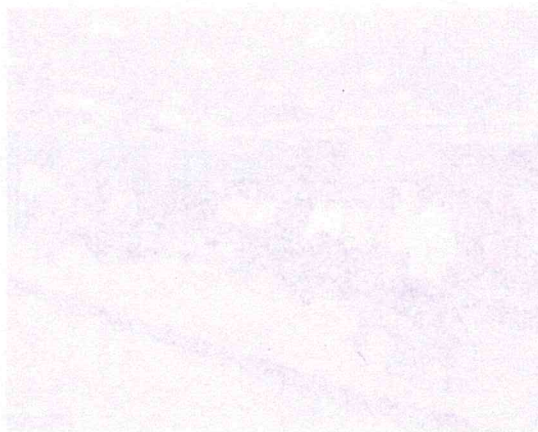


Report of Koppa Workshop

On 12th & 13th February 2018, ACTSYEN conducted Basic Skill Training for the students of A.L.N Rao Ayurvedic Medical College, Koppa was conducted at EMD Auditorium and Simulation lab. Around 15 resource faculties were trained the students. The sessions were about management of all emergency skills followed by hands-on scenarios and skill trainings. The students were demonstrated the procedures and also collected feedback from students. Total 49 students are benefited with this session and students reported that simulation training was very useful.



Group photo

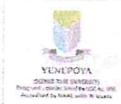


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Report of Ultrasound workshop

On 15th February 2018 ACTS-YEN conducted ultrasound workshop for radiology doctors and PG at simulation centre. Ms.Winnie, Ultrasound Simulator Expert was the resource faculty from Malaysia. 15 people were trained in this session and feedback collected from the participants.



Ms. Winnie during the session.

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REPORT OF ABBOTT WORKSHOP

Acts yen conducted ABBOTT Workshop in collaboration with ABBOTT Team on 17th February 2018 in the Acts yen center. 17 members were participated for the programme. 4 case scenario was done during the workshop .Introduction of HPS was given by Dr.Meghna Mukund, Anesthesia department Dr Ravishankar&Dr Hemanth, explained about the case scenarios.

Later divide them into small groups, did the hands on scenarios followed by the de-briefing. The feedback was collected from the participants .The participant received med anesthesia simulation certification.

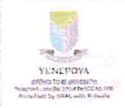


Scenario session

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Report of surgical suture and suturing technique Workshop

On 11th March 2018, ACTSYEN conducted Workshop on surgical suture and suturing technique for PG's(First Year), Interns in association with orthopaedics department and john&johns company . Around 7 resource faculties were trained the students

The following staff members participated as instructors.

1. Prof. Dr. Ravindra Mohan Shenoy
2. Prof. Dr. Imthiaz Ahammed K.A.
3. Dr. Jeevan Pereira
4. Dr. Shailesh Kumar K.N.
5. Dr. Savith V. Shetty
6. Dr. Sharat Balemane
7. Dr. Abhishek V. Shetty
8. Dr. Fardeen Shariff

The workshop was conducted on time between 9:00 a.m. and 1:00 p.m. About 51 out of the 56 registered participated for the workshop. The participants were interns and postgraduate students from orthopaedics, surgery and OBG.

The workshop was preceded by 2 introductory talks on Surgical Sutures and Suturing techniques given by Dr. Jeevan Pereira and Prof. Dr. Ravindra Mohan Shenoy respectively. This was followed by hands on workshop on application of surgical knots and surgical suturing of different types. Feedback forms were received and evaluated.



Hands-on skill session



Theory session

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Advanced comprehensive clinical training and simulation centre

Report of Anastomotic Technique Workshop

On 21st March, 2018 ACTSYEN conducted Workshop on Anastomotic Technique for PG's & Interns at EMD auditorium in association with Surgery department and Urology department . Around 3 resource faculties were trained the students. Total 47 students are benefited with this session and also collected feedback from students.

| Time | topic | Resource person |
|------------------|---|--|
| 9:15 – 10.00 AM | Tendon repair with hands on training | Dr. Devi Prasad Plastic surgeon, Assistant professor, Dept. of General Surgery |
| 10:00 – 10:30 AM | Inauguration | |
| 10:30 – 11:45 AM | Vascular Anastomosis with hands on training | Dr. Devi Prasad Plastic surgeon, Assistant professor, Dept. of General Surgery |
| 11:45 – 12:30 PM | Energy sources in surgery | Dr. Mujeebu Rahiman Professor, Dept of Urology |
| 12:30 – 1:30 PM | Lunch Break | |
| 1:30 – 3:15 PM | Bowel Anastomosis and stapling with hands on training | Dr. Harishchandra B. Professor, Dept of General Surgery |
| 3:15 – 3:20 PM | High Tea | |
| 3:20 – 5.00PM | Panel discussion on above topics | All above moderator |



Inauguration session

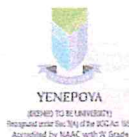


Hand-on skill training session

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Dr. Harishchandra B.
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Advanced Comprehensive Clinical Training & Simulation Center



REPORT OF FINISHING SCHOOL PROGRAMME

The First "FINISHING SCHOOL PROGRAMME" was organized by Advanced comprehensive Clinical Training and Simulation centre in collaboration with Yenepoya Nursing college (constituent college of Yenepoya Deemed to be university) from 25th July 2018 to 31st July 2018 at EMD Auditorium, Yenepoya (Deemed to be University),Mangaluru.

The main objective of the programme was to help students gain knowledge and develop competency in delivering healthcare at high technical and professional standards as a beginner of practitioner of nursing that meet the health needs of patients. Comprehensive hands on skills training was provided to ease the transition of bench to bed for a novice nurse.

Total 91 final year B Sc Nursing students participated in the training programme.

Proceedings:

| Date | Topics Covered | Resource Faculty |
|------------|---|---|
| 25.07.2018 | Cannulization & Drug administration, Vital Signs(Temperature,pulse,bp,RR) Bed Making & Positions, Wound Dressing, Suturing and Suture removal | Ms. Reema Ms. Prashma Ms. Savitha Ms. Jannet Dr. Basilla, |
| 26.07.2018 | Bed bath, Catheterization, Oxygen Administration & Management, Ryles Tube Insertion, Universal Precautions | Ms. Sherin Ms. Pavithra Dr. Shilpa Ms. Benzera Ms. Jyothi |
| 27.07.2018 | Ventilator, color coding of gases, Defibrillator, ECG machine, Pulse oximeter, Infusion Pump, Syringe pump, Nebulizer , Suction apparatus, Multiparamonitor | Mr. Fahad Mr. Sampath Mr. Rahul Ms. Lijina |
| 28.07.2018 | Pre Operative & Post Operative care, OT skills, | Dr. Shimar Anna+ Ms.Vani |



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| | | |
|------------|---|---|
| | Orientation to Hemodynamic monitoring, Dialysis Machine Management & Patient care | Vinitha D'Souza Brinda |
| 30.07.2018 | Baia Life Support Course(BLS) | Dr. Meghna Mukund Dr. Shilpa G K Bhat Dr. Thippeswamy H G Dr. Prakruthi J Mr. Arun S Nath |
| 31.07.2018 | PALS, OBG, CV and Career Guidance | Dr. Smitha Mr. Arun S Nath Dr. Lulu Sherif |

Certificates were distributed for the students.



1. Inauguration of finishing school program



2. Patient shifting procedure

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REPORT OF AHA BLS & ACLS COURSE

From 12th July 2018 to 14th July 2018 PG's have undergone AHA (American Heart Association) certified Basic Life Support(BLS) & Advanced Cardiac Life Support (ACLS) training conducted by Acts yen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|--|----------------------|
| 1 | AHA BLS AHA ACLS | Dr.Meghna Mukund Dr.Thippeswamy Mr.Arun S Nath Dr.Shilpa G K Bhat Dr.Shameem Habib Dr.Prakruthi | 32 -BLS 27 - ACLS |



Hands on session of BLS Training

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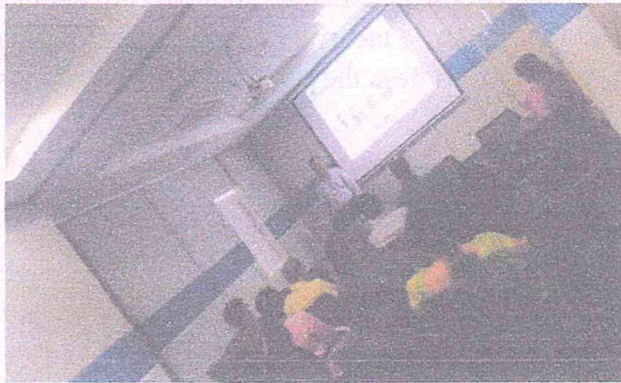
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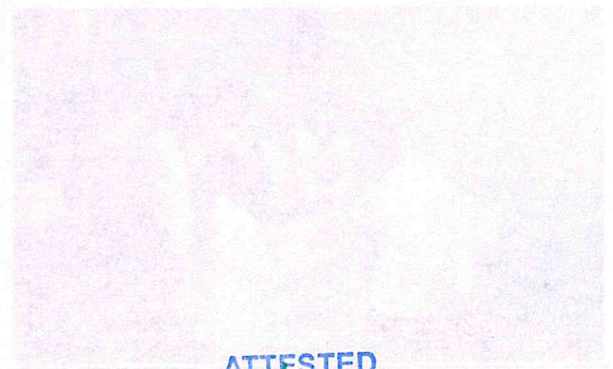
REPORT OF ART OF SCIENTIFIC WRITING & TIPS TO PUBLICATION

Acts yen conducted art of scientific writing & tips to publication To develop the skills in writing scientific publication on 1st August 2018 at Acts yen centre. This was a talk by Dr.Aswini Dutt R, Associate Professor, Department of Physiology, Yenepoya Medical College.

It also aids in progressing individual career graph and winning accolades and visibility to the institution. 13 people were attended the programme.



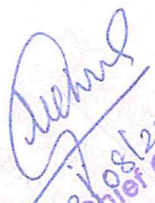
Session by Dr.Aswini Dutt



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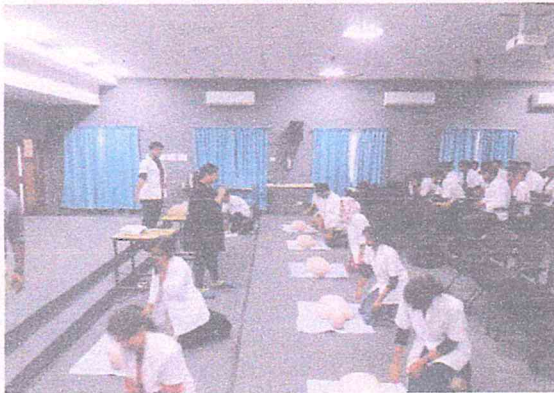
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REPORT OF CLINICAL ORIENTATION PROGRAMME FOR UG STUDENTS

Acts yen conducted clinical orientation program for the under graduate students on 28th & 29th August 2018 at emd building acts yen center . Total of 120 students were trained during the orientation programme. The students were oriented to the facilities available in the skills laboratory and were informed regarding how they may utilize the simulation laboratory to improve their skills.

First day batch of 60 students got trained ,they have divided into two groups with 30 students each. first 30 have undergone for the cpr training at the emd auditorium and other half got simulation lab orientation .Second day repeated the same procedure. Feedback was collected from the students. Dr.Meghna Mukund was the main coordinator of the programme.



1.Hands on session of cpr training



2.Orientation to simulation lab

Meghna
30/08/2018
Chief Co-ordinator, ACTS-YEN
Yenepoya Medical College Hospital
Mangaluru-575018

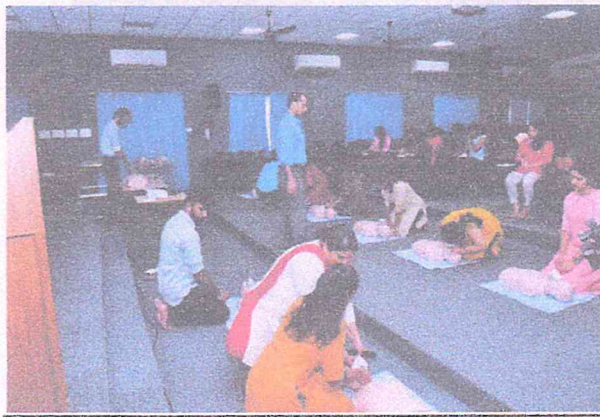
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REPORT OF PREHOSPITAL CARE AND MEDICAL EMERGENCIES IN ASSOCIATION WITH SAVIOR GROUP

On 15th September 2018, ACTSYEN conducted hands on skill training on Cardiopulmonary resuscitation/ First Aid/ Trauma Management for the Saviour Volunteer group from YSH at EMD Auditorium. 20 YEN Samaritan cards were issued to the participants during this occasion. Total 20 delegates participated for the program also collected feedback from the students

| Topic | Recourse faculty |
|---------------------------|--------------------------------------|
| CPR and Choking | Dr. Meghna Mukund Mr. Arun S Nath |
| Emergencies, MI | Dr. Prashanth |
| First Aid | Dr. Sonali |
| Trauma and transportation | Dr. Jeevan |



Hands on session on cpr training

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Advanced Comprehensive Clinical Training & Simulation Center

REPORT OF HEALTHCARE SIMULATION WEEK -SEPSIS MANAGEMENT SIMULATION CLASS

Acts yen conducted health care simulation week programme from 17th September 2018 to 21st September 2018. The scenario was based on the sepsis management ,scenario did very well by using Human Patient Simulator(HPS) in the Acts yen center .After the scenario de-briefing was done inside the de-briefing room .

The health care simulation programme was an horizontal integration programme of different departments mainly Orthopedics & Medicine .40 people were Participated for the programme .Dr.Meghna Mukund was the main coordinator of the programme .Other faculties include Dr.Jeevan Pereira from Orthopedics department & Dr.Prakruthi from Medicine department.



1.Performing the scenario



2.Debriefing of the scenario

Meghna
22/9/2018
Chief Co-ordinator, ACTS-YEN
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REPORT OF COMPRESSION ONLY LIFE SUPPORT (COLS)

Acts yen conducted compression only life support (COLS) programme for Yenepoya school students on 23rd October 2018. The programme was held at Yenepoya school, 1000 students were trained for the programme. The COLS mainly emphasizes on early recognition of cardiac arrest and activation, early chest compression and early transfer to medical facility. Sequential conducts of targeted core steps are essential for optimal outcome, three core links for resuscitation in adults are

- Early recognition and activation
- Early chest compression
- Early transfer

The session was very interesting with the presence of instructors, feedback was collected from the students that was positive.



COLS training for the students

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24/10/2018
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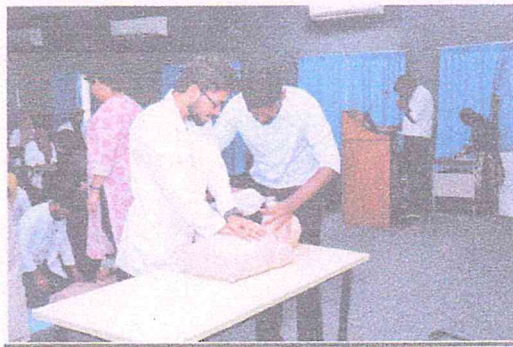
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REPORT OF AHA BLS COURSE

On 13th October 2018 Dental interns have undergone AHA (American Heart Association) certified Basic Life Support(BLS) training conducted by Acts yen at 8th Floor EMD auditorium . The training programme was an international accepted with certification valued for a period of 2 years .

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies ,provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|--|--------------------|
| 1 | AHA BLS | Dr.Meghna Mukund Dr.Thippeswamy Dr.Shilpa G K Bhat | 11-BLS |



Hands on session of BLS

[Handwritten Signature]
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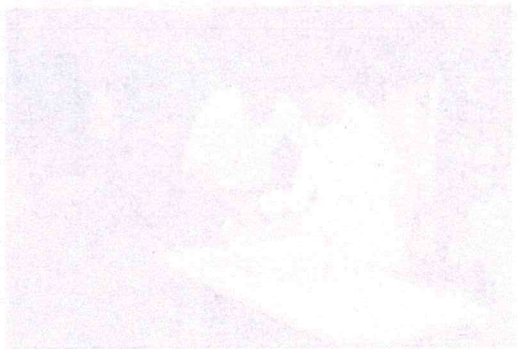


REPORT OF ECMO WORKSHOP

As a part of world anesthesia day Acts yen conducted ECMO workshop in association with anesthesia department on 16th October 2018. The programme was held at the emd auditorium.30 people were participated for the programme.

Dr. Riyan Shetty was the main Resource faculty of the programme.

| Name of the Faculty | Designation | Signature |
|---------------------|------------------|-----------|
| Dr. Riyan Shetty | Resource Faculty | |
| Dr. [Name] | [Designation] | |
| Dr. [Name] | [Designation] | |



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 Chief Co-ordinator, ACTS-YEN
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REPORT OF NEONATAL ADVANCED LIFE SUPPORT(NALS)

Acts yen conducted Neonatal Advanced Life Support (NALS) programme on 6th November 2018 at Acts yen center in association with pediatric department. 31 people were trained for the programme. neonatal Advanced Life Support course has been designed to teach an evidence-based approach to resuscitation of the newborn. The causes, prevention, and management of mild to severe neonatal asphyxia are carefully explained so that health professionals may develop optimal knowledge and skill in resuscitation. The course was followed by hands-on sessions

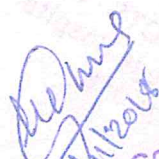
Dr.Shriyan Ashvij Rukkaya was the main resource faculty of the programme. Certificates were provided for the participants.



Hands on session of NALS training

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REPORT OF PAEDIATRIC ADVANCED LIFE SUPPORT(PALS)

Acts yen conducted Pediatric Advanced Life Support (PALS) programme on 7th November 2018 at the Acts yen center in association with pediatric department . 9 people were trained for the programme. The goal of the course was to aid the pediatric healthcare provider in developing the knowledge and skills necessary to efficiently and effectively manage critically ill infants and children, resulting in improved outcomes. Professional healthcare providers use PALS during the stabilization and transportation phases of a pediatric emergency ,in or out of hospital.

Dr.Shreedhara Avabratha was the main facilitator of the programme.



Hand on session PALS

Shreedhara Avabratha
8/11/2018
Chief Co-ordinator, ACTS-YEN
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Programme Reports ACTS-YEN 2017

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REPORT OF INTERNSHIP STARTING THE JOURNEY - INTERNS SKILLS TRAINING

Acts-yen conducted Orientation programme for the interns on 20th & 21st March 2017. The interns were oriented to the facilities available in the skills laboratory and were informed regarding how they may utilize the simulation laboratory to improve their skills. Interns were also informed of the skills assessment examination (OSCE pattern) which would be conducted at end of internship and that it is mandatory for all interns, to pass the foresaid exam, to obtain an internship completion certificate.

After the orientation programme, all the interns underwent BLS Training Programme conducted by Acts-yen in association with Department of Anesthesiology under the license from American Heart Association. This training program is internationally accepted with certification valid for a period of 02 years.



Chief-guest Talk



Dr. Rashmi Jain during the session

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22/03/2017
Chief Co-ordinator, ACTS-YEN
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REPORT OF BASIC LIFE SUPPORT WORKSHOP

Basic life support workshop organized by employment and placement cell in association with Acts-yen on 20th June 2017. The training programme was an international accepted with certification valued for a period of 2 years.

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies, provide cpr use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|---------------------------|--------------------|
| 1 | AHA BLS | Dr.Krishna kumar and team | 55-BLS - ACLS |



Dr.Krishna Kumar during the session



Hands-on session

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20/06/2017
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REPORT OF PALS WORKSHOP

Pediatric Advanced Life support course was conducted on 29th & 30th July 2017 at Acts-yen center in association with pediatric department. The resource faculty was Dr. Shreedhara Avabratha From Father Mullers Medical College, PALS Regional Instructor. It was attended by 23 faculties and PG's from pediatric department.



Hand-on Session

ATTESTED

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 31/07/2017

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REPORT OF POLYTRAUMA WORKSHOP

Dr Giuseppe A Marraro, an external faculty from University of Milan, Italy visited ACTS-YEN in the month of February. He conducted 3 workshops during his visit.

- A. Advanced facilitators workshop on 4th February 2017. Fifteen faculties from various departments attended the workshop.
- B. On 6th & 7th February 2017, Workshop on Polytrauma was conducted for post graduates from orthopaedics, anaesthesia, surgery, ENT & Internal Medicine. Postgraduates participated from various specialities. Topics like head trauma, chest injuries, hemodynamic changes and management of Polytrauma was covered in the workshop. Pre & post test assessments were done.
- C. Workshop on Infection control using simulators were conducted for nursing and microbiology post graduates on 9th February 2017. Fifteen nursing staffs and 2 microbiology post graduates were trained on hygiene and measures to prevent cross infection with regards to air borne, cholera infection and infected wound. Pre & post test assessments were done.




1. Poly trauma scenario



2. De briefing session by Marraro


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REPORT OF STEP WORKSHOP

The Department of Paediatrics in association with ACTS YEN and IAP DK branch conducted the Simulation Training in Emergency Pediatrics –STEP. workshop on 08th July 2017

The programme was inaugurated by Dr. Ghulam Jeelani Qadiri, Dean, Yenepoya Medical College; (Major) Dr. Rajesh, President IAP DK Branch; Dr. Prakash Saldanha, Head of Department of Paediatrics, Yenepoya Medical College, Dr. Rakshith Shetty, Rainbow Children's Hospital, Bangalore and Dr. Meghana Mukund, Chief of ACTS YEN. Dr. Ghulam Jeelani Qadiri gave the inaugural address and vote of thanks was rendered by Dr. Meghana. Resource Persons were Dr. Rakshay Shetty, Dr. Vijay Jamalpuri, Dr. Rajath Atreya, Dr. Prathap Chandra faculty of Rainbow Children's Hospital, Bangalore; Dr. Geethanjali Ramachandra, Founder member PediSTARS, Dr. Shridhar, Father Muller Medical College, Dr. Meghna Mukund, Dr. Fareedul Hasan, Dr. Niyaz Mohammed faculty of Yenepoya Medical College.

50 Participants from all over Karnataka attended the workshop including postgraduates from various medical colleges and general pediatricians.



Inauguration of Simulation Training in Emergency Pediatrics



Introduction of pedi-sim

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REPORT OF ABBOT WORKSHOP

REPORT OF ABBOTT WORKSHOP

Acts yen conducted ABBOTT Workshop in collaboration with ABBOTT Team On 22nd July 2017 in the Acts yen center. 17 members were participated for the programme. 4 case scenario was done during the workshop. Introduction of HPS was given by Dr.Meghna Mukund Anesthesia department. Dr Ravi Shankar explained about the case scenarios.

Later divide them into small groups, did the hands on scenarios followed by the de-briefing. The feedback was collected from the participants. The participant received med anesthesia simulation certification.



Scenario session



De-briefing session

Meghna
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Gangadhara

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REPORT OF DERMATOLOGY

Department of Dermatology, Department of Anatomy and ACTS-YEN, Yenepoya Medical College, Yenepoya University in association with Karnataka branch of Indian Association of Dermatologists, Venereologists & Leprologists (IADVL) and Karavali Dermatology Society (KDS) organized a zonal hands on workshop on toxins and fillers titled YEN COSMODERM-3 "Workshop on facial natomy & fillers/toxin" (CADAVERIC, ANATOMAGE AND LIVE DEMO) on 30th July 2017. Organizing committee comprised of Drs Manjunath Shenoy M, Ramakrishna Avadhani, Vishal B, Amina Asfiya M I, Malcolm Pinto, Spandana Hegde, Ashwini S Shetty, Bindu S, Qudusia Sultana and Postgraduates of the Dermatology department.

The program was inaugurated by the Dr Muhammad Amin Wani, Chief Operating Officer, Yenepoya Medical College Hospital and Dr Girisha B S, President, Karavali Dermatology Society. The guest faculties for this programme included Dr K C Nischal (Consultant Dermatologist, Nirmal Skin & Hair Clinic, Bangalore) and Dr Vindhya Pai (Visiting Consultant, KMC, Mangalore). The programme was restricted to faculty only. The programme concluded with live demonstration of facial assessment and filler injection by Dr K C Nischal.

The program was attended by 29 delegates from Mangalore and neighboring areas.



Facial Anatomy session using Anatomage table

Dr. Manjunath Shenoy M
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REPORT OF YEN RHYTHM WORKSHOP

Department of Anatomy conducted Yen Rhythm revisiting the heart through simulation on 12th August 2017 in association with Acts-yen. This Workshop aims at introducing the concept of integrated simulation teaching using Anatomage (3Ddissection table), Virtual reality simulators and High fidelity manikins. The learners get the opportunity to consolidate their knowledge. Such simulation based experience will provide a means to bridge the gap from didactic learning to clinical application in a no- risk environment.



Inauguration of yen-Rhythm workshop



Dr. Quidisia during the session

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Deepthi
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REPORT OF YUVA KSOGA CONFERENCE

Acts-yen conducted YUVA KSOGA critical care simulation workshop on 2nd September 2017 in association with OBG department. Three main Obstetric emergency case scenarios were performed –mainly PPH, Eclampsia and sepsis in obstetrics. Experts Dr. Tarakeshwari from Fernandez Hospital was one of the chief resource person. About 75 delegates from all over Karnataka participated.



Group Photo



Scenario session

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REPORT OF HSW PROGRAM

ACTS-YEN, Simulation Centre; Yenepoya University is celebrating 1 year of Simulation based teaching. Also, September 11 th - 15 th 2017, is being celebrated as the World HealthCare Simulation week. On this occasion we are organizing various skill transfer and capacity building, interactive sessions emphasizing on the need for simulation based teaching for better health care at ACTS-YEN.

Day 1 – 11/09/2017 (Monday)

1) Inaugural Program was held at EMD Auditorium at 9.30am – 10.00am .

Dr.M.S.Moosabha ,HOD ,Dept.of General Surgery (Principal In charge)& Dr. Sampathila Padmanabha,HOD ,Dept.of Anaesthesia(Medical Superintendent in charge) were present during the function.

Dr.Rashmi Jain, Chief Coordinator ,ACTS –YEN welcomed the gathering ;Dr.Meghna Mukund, Chief Coordinator ,ACTS –YEN introduced program schedule of simulation week and Mr.Arun S Nath,Manager,ACTS –YEN presented one year journey of ACTS-YEN and future plans.

2) Afternoon at 1.00pm onwards Mock Drill (Code Blue) at ED

Dr.Meghna Mukund,Mr. Arun S Nath, Dr.Prakruthi J & Ms. Lijina led a mock drill(Insitu) where in, an anesthesia PG and an Anesthesia technician course student acted in the simulation session.

Day 2 – 12/09/2017 (Tuesday)

1) A program for Auto Drivers was conducted at EMD Auditorium from 9.30am – 11.30 am.

THEME: To sensitize the drivers about being first responders and how they can help victims. First Aid Mobilization of RTA victim and Adult CPR.

First Aid training was delivered by Dr.Pracheth in Kannada language for the Auto drivers and Adult CPR was trained by our CPR team.(Dr.Meghna Mukund, Dr.Shilpa,Dr. Shameem , Mr. Arun,& Dr. Deepthi)

Dr.Jeevan added a few insights about trauma.

Day 3 – 13/09/2017 (Wednesday)

Breast Feeding Awareness Program for antenatal and postnatal mothers with simulation support was held at OBG classroom, Yenepoya Hospital at 10.30am – 11.30am.

Resource Persons were :

Mrs. Maina Shet – CAPP certified Lactation Educator

Dr.Anita Prabhu – Assoc Prof, Paediatric Dept.

This talk was attended by nearly 30 mothers from the OBG ward of Yenepoya hospital and 10 fourth



year B.Sc Nursing students.

Facilitators: Dr.Meghna,
Lijina (Engineer) & Mamatha (Executive)

Afternoon at 1.30pm - 3.30pm: Critical Care course in Obstetrics was held at ACTS-YEN for Interns and Nursing faculty of OBG Department YMC.

Theme: Obstetric Emergencies.(PPH and Eclampsia were covered under this simulation workshop)

Dr.Smitha and Dr.Archana of OBG department, Yenepoya Medical College led the scenarios and debrief of the interns.

Afternoon at 2.00pm – 3.00pm Setting up of an Emergency department assessment day 2 was held at ACT-YEN.

Facilitators:
Dr.Meghna Mukund
Mr.Arun S Nath

This session was attended by CMO, 2 M.Sc (N) faculties with PG's of Medical Surgical Nursing and Hospital Management officials.

Planned for meeting with Dr.Prabha Adhikari, HOD, Dept of Medicine, (Emergency Dept), for further execution and implementing required changes in the ED.

Day 4 – 14/09/2017 (Thursday)

Panel discussion on “Simulation in health care Education - A way forward” was organized at ACTS-YEN, EMD building at 1.00pm to 3.30 pm on 14th September 2017.

Topics for the panel discussion:

1. Why simulate? Is it better than traditional teaching practices!
2. Steps to incorporate simulation in medical curricula.
3. Should the students be practicing on mannequins before they are deemed fit for real patients?
4. How can we incorporate simulation in low resource setting?
5. How do you teach the students NTS (Non technical skills) in your institute.

Panelists:

1. Dr.Raveendra- Simulation Head, KSHEMA & Prof.in Anaesthesia
2. Dr.Lulu Sherif Mahmood, Academic Head, Father Muller simulation Lab
3. Dr. Smitha , Simulation Expert & Professor, OBG Dept, YMC
4. Sr. Aileen- CNO, YMC

Moderators:

Dr.Meghna Mukund & Dr.Rashmi Jain.

All the panelists have shared their experiences and possibilities of simulation training in healthcare education field. They expressed the need of integrating simulation in medical curriculum as well as other healthcare education, same time interprofessional trainings are the new development and need of the hour. They are posting their students to simulation lab for dedicated time duration.

This event was witnessed by all ACTS-YEN Coordinators MEU, CHPE members, all simulation enthusiast faculty of all constituent college of YU.

Release of YEN-SAMARITAN VOLUNTEER CARD: a social service initiative where in train and equip public as first responders to manage emergencies and introduction of our hospital emergency response number also done during this occasion. Dr. S. Padmanabha, HOD, Dept. of Anesthesia has done the releasing by handing over the card to the representatives of auto drivers .

Afternoon at 2.00pm-3.00pm there was a talk on Crisis Resource Management at EMD Auditorium. Dr. Meghna Mukund & team presented an enlightening video and talk on CRM. Dr.Subodh also presented an informative and thought provoking talk on CRM.

Facilitators:
Dr.Meghna
Dr.Rashmi
Dr.Subodh

Day 5 – 15/09/2017 (Friday)

Morning 9.30am -11.30am half day training for the teachers on the skills of first aid, adult and child CPR (Cardiac Pulmonary Resuscitation) and how to teach sex education using simulation was organized for teachers.

18 teachers nearby vicinity and 2 teachers from Manipal school attended this session. The response was very good. They liked the session very much and they have requested for training for their other teachers as well as for students. They expressed the need for training for managing sports injuries and training for physical education teachers about managing sports injuries.

Facilitators:
Dr.Varun
Dr.Shameem
Dr.Prakruthi
Dr.Mehfooza
Dr. Meghna
Mr. Arun
Ms Lijina
Mrs Mamatha

Competition was conducted for ACTS –YEN coordinators and simulation enthusiast on ‘simulation course development’ at 12.30pm.

There were total Six presentations from Ophthalmology, Community, Anaesthesia, OBG, Medicine and Dermatology . Winners of the competition are : 1st prize : Dr. Varun ,Community Medicine. 2nd Prize: Dr. Prakruthi , Medicine & Dr. Ranya, Anaesthesia.

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Panel discussion



Mock drill at causality



Breast feeding awareness



Dr. Meghna Mukund during the session

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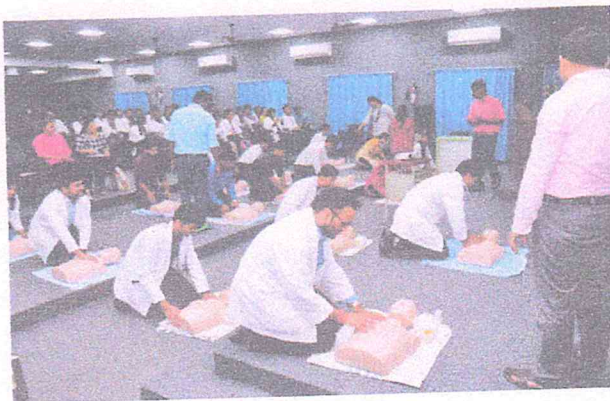


REPORT OF AHA ACLS & BLS COURSE

Acts-yen conducted AHA basic life support and advanced life support for doctors of different department on 22.09.2017 in the EMD Auditorium. The training programme was an international accepted with certification valued for a period of 2 years.

The main aim of the course is to provide a wide variety of healthcare professionals the ability to recognize several life threatening emergencies, provide CPR use an AED, and relieve choking in a safe, timely and effective manner. The course was followed by a theory exam and practical exam with hands on training on mannequin .feedback was collected from the students. The session was very interesting with the presence of instructors.

| SL.No | Name of the sessions | Name of the faculty | Number of students |
|-------|----------------------|--|--------------------|
| 1 | AHA BLS AHA ACLS | Dr.Meghna Mukund Dr.Thippeswamy Dr.Shameem Ahamed Mr.Arun | 42-BLS 16- ACLS |



Hands-on skill training



Dr.Shameem Habib during the session

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Report of ECG Workshop

The 'basics of ECG in simulation environment' first part was conducted on 5th October, 2017 for perfusion technology students in the Simulation Centre, 8th Floor, EMD Building. It was attended by 25 students from BSC perfusion, YMC. The resource faculty was Dr. Prakruthi from Medicine department, YMC. Sessions were about the basics of ECG, identification of rhythm and scenarios and also collected feedback from the students. Students reported that simulation training was very useful. Pre & post test assessments were done.



Session by Dr.Prakruthi

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Report of Orthopaedics CME with Live surgery and Workshop

The department ACTS-YEN in association with Orthopedics under the guidance of Professor P. Mahabala Rai, Head of department of Orthopedics, Yenepoya Medical College, Mangalore conducted an "Instructional course on degenerative disc disease of spine with live surgery demonstration and workshop" on 7th and 8th October 2017 at Yenepoya Medical College hospital. During the two days program, various problems related to backache were discussed by visiting faculties as well as local spine surgeons from Mangalore and surgical techniques of spine surgeries were demonstrated through live surgeries by experts at Yenepoya Medical College hospital. Organizing secretary and chief spine surgeon of Yenepoya Medical College Dr. Janardhana Aithala P. who coordinated live surgeries informed that the program was attended by about 80 delegates and was highly successful.

The programme was well enriched and with the help of outside faculties and internal faculties.



Dr. Janardhana Aithala P during the session

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Report of fundamental Airway workshop

ACTS-YEN conducted Fundamentals of Airway Management Course on 07-10-2017 for the Interns and Anaesthesia Technology Students. It was Simulation based course on Airway Management Tools & Techniques and followed by hands-on sections. Dr.Meghna Mukund and Dr.Shameem Habib were the resource person from Anaesthesia department .Total 20 students benefited with simulation based airway section and collected feedback from the students. Students reported that simulation training was very useful. Pre & post test assessments were done.



Dr.Meghna Mukund during the session

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Instructor course for nursing staff

On 14-10-2017, Instructor Course for Nursing Staff was conducted at ACTS-YEN Auditorium for the Nursing staffs of YMCH. Dr.Meghna Mukund and Shameem were the resource faculties for the training. Sessions were about "how to identify patient with cardiac arrest and our role as first level responders in saving life providing high quality CPR." This was followed by hands on experience on mannequins with the help of facilitators. This was followed by brief introduction on BLS and CPR by Dr Meghna. This was followed by brief introduction on BLS and CPR by Dr Meghna. Pre & post test assessments were done.



Hands-on session of nursing staff

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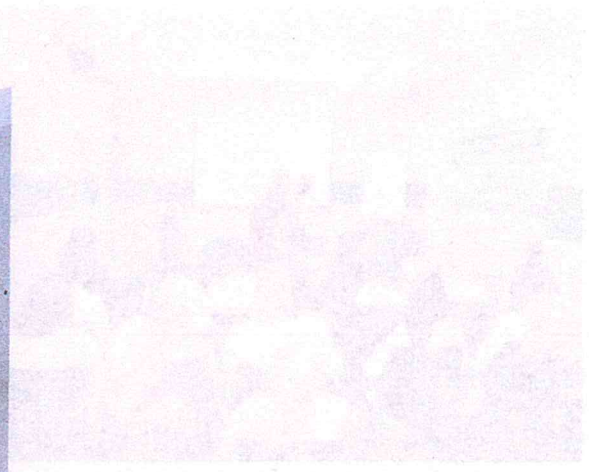
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Report of world Anaesthesia Day

The department of Anaesthesiology organized "World Anaesthesia Day" event at 8th floor Auditorium, EMD building on 16th October 2017 at 2.00-4.00 p.m. The programme was attended by more than 150 people including postgraduates, faculty from Anaesthesia and other clinical departments, O.T staffs and BSc. OT Technician students. Dr. Meghna Mukund, Asso.Professor, Anaesthesiology delivered the first lecture on "Human Factors and Crisis Resource Management" followed by lecture on "TEC-6, Vaporizers" by Dr. S. Padmanabha, Prof. & H.O.D., Anaesthesiology.



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Report of ECG workshop

The basics of ECG in simulation environment' first part was conducted on 26th October, 2017 for perfusion technology students in the Simulation Centre, 8th Floor, EMD Building. It was attended by 20 students from BSC perfusion, YMC. The resource faculty was Dr. Prakruthi from Medicine department, YMC. Sessions were about the basics of ECG, identification of rhythm and scenarios and also collected feedback from the students. Students reported that simulation training was very useful. Pre & post test assessments were done.



Dr.Prakruthi during the session

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Report of Savior Group Training

On 1st November 2017, ACTSYEN conducted hands on skill training on Cardiopulmonary resuscitation/ First Aid/ Trauma Management for the Savior Volunteer group from YSH at EMD Auditorium. 19 YEN Samaritan cards were issued to the participants during this occasion. Total 19 delegates participated for the program also collected feedback from the students

| Topic | Recourse faculty |
|---------------------------|--------------------------------------|
| CPR and Choking | Dr. Meghna Mukund Mr. Arun S Nath |
| Emergencies, MI | Dr. Prashanth |
| First Aid | Dr. Sonali |
| Trauma and transportation | Dr. Jeevan |



Patient transportation session



Triage and Splint session by Dr. Jeevan

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Report of CPR Training

On 02-11-2017 Basic CPR Training for the Consultants of YU, ACTSYEN in association with Quality Department was conducted at EMD Auditorium. The sessions were about Recognize and initiate early management of Peri- arrest condition that may result in cardiac arrest or complete resuscitation outcome. Demonstrated proficiency in providing BLS Care, including prioritizing chest compression and integrating AED /Defibrillator use. Manage cardiac arrest until return of spontaneous circulation. Demonstrated effective communication as a member or leader of a resuscitation team and recognize the impact of team dynamics on overall team performance. This was followed by hands on experience on mannequins with the help of facilitators. Dr.Meghna Mukun, Dr.Prakrthi, & Mr.Arun S Nath were the facilities for the training. Total we trained 21 people in 3 hour session.



Bag –Mask technique demonstration

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Report of CPR Training

On 04-11-2017 Basic CPR Training for the Consultants of YU in association with Quality Department was conducted at EMD Auditorium. The sessions were about Recognize and initiate early management of Peri-arrest condition that may result in cardiac arrest or complete resuscitation outcome. Demonstrated proficiency in providing BLS Care, including prioritizing chest compression and integrating AED /Defibrillator use. Manage cardiac arrest until return of spontaneous circulation. Demonstrated effective communication as a member or leader of a resuscitation team and recognize the impact of team dynamics on overall team performance. This was followed by hands on experience on mannequins with the help of facilitators. Dr.Meghna Mukun, Dr.Prakrthi,&Dr.Thippeswamy were the facilities for the training. Total we trained 17 people in this session.



Team dynamic session

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Report of ECG workshop

The basics of ECG in simulation environment' first part was conducted on 6th november 2017 for perfusion technology and anaesthesia technician students in the Simulation Centre, 8th Floor, EMD Building .It was attended by 20students from BSC perfusion , YMC. The resource faculty was Dr. Prakruthi from Medicine department, YMC. Sessions were about the basics of ECG, identification of rhythm and scenarios and also collected feedback from the students. Students reported that simulation training was very useful. Pre & post test assessments were done.



Dr.Prakruthi during the session

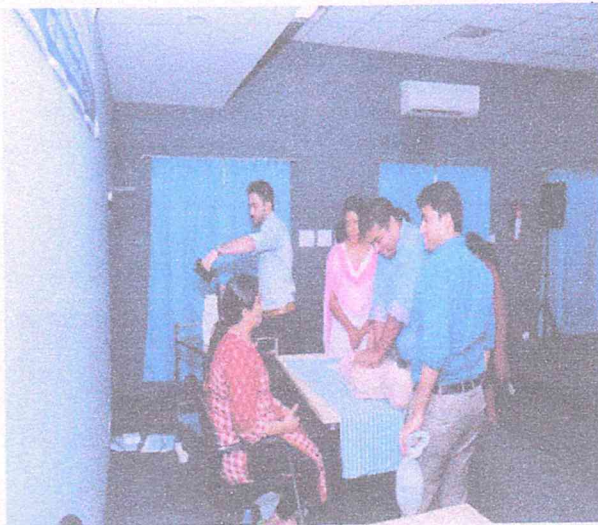
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Report of CPR Training

On 07-11-2017 Basic CPR Training for the Consultants of YU in association with Quality Department was conducted at EMD Auditorium. The sessions were about Recognize and initiate early management of Peri-arrest condition that may result in cardiac arrest or complete resuscitation outcome. Demonstrated proficiency in providing BLS Care, including prioritizing chest compression and integrating AED /Defibrillator use. Manage cardiac arrest until return of spontaneous circulation. Demonstrated effective communication as a member or leader of a resuscitation team and recognize the impact of team dynamics on overall team performance. This was followed by hands on experience on mannequins with the help of facilitators. Dr.Meghna Mukun, Dr.Prakrthi,&Dr.Shameem were the facilities for the training. Total we trained 14 people in this session



Team dynamics hand-on session

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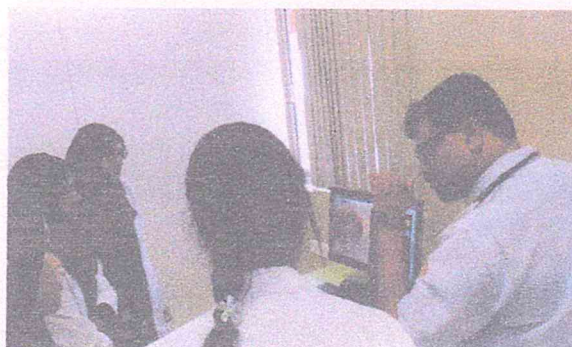

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Report of ECG Interpretation Workshop for interns

On 08-11-2017 & 09-11-2017 Acts -yen conducted Simulation based ECG Interpretation Workshop for interns in simulation lab , HPS & ECHO cubicles were used for the workshop . The sessions were about the basics of ECG, identification of rhythm and scenarios and also collected feedback from the students. Students reported that simulation training was very useful. Pre & post test assessments were done. Total 98 interns were participated for the training.

| Topic | Recourse faculty |
|--|---------------------------------|
| How to attach ECG Leads | Dr. Rashmi Nazareth |
| Cardiac Arrest Rhythms and Defibrillator | Dr. Prakruthi J |
| Myocardial Infarction | Dr. Balachandra Bhat |
| Hypertrophies and enlargements | Dr. Shruthi S |
| Rate and Rhythm abnormalities | Dr. Prashanth Kumar |
| HPS Scenarios | Dr. Prakruthi J / Dr. Shruthi S |




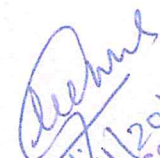
Ultrasound session for participants



Defibrillator session

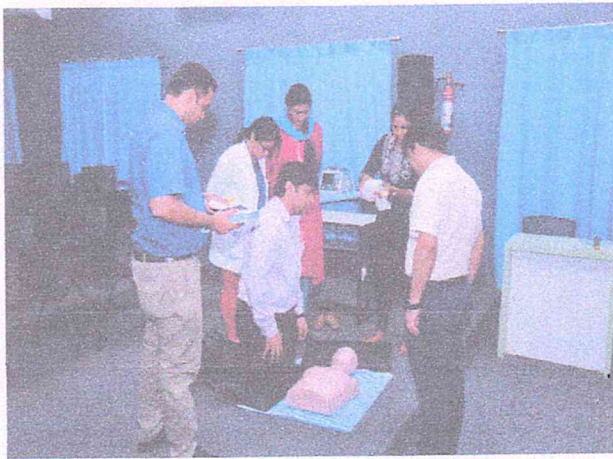
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Report of CPR Training

On 11-11-2017 Basic CPR Training for the Consultants of YU in association with Quality Department was conducted at EMD Auditorium. The sessions were about Recognize and initiate early management of Peri-arrest condition that may result in cardiac arrest or complete resuscitation outcome. Demonstrated proficiency in providing BLS Care, including prioritizing chest compression and integrating AED /Defibrillator use. Manage cardiac arrest until return of spontaneous circulation. Demonstrated effective communication as a member or leader of a resuscitation team and recognize the impact of team dynamics on overall team performance. This was followed by hands on experience on mannequins with the help of facilitators. Dr.Meghna Mukun, Dr.Prakrthi,&Dr.Thippeswamy were the facilities for the training. Total we trained 14 people in this session.



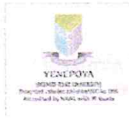
Team dynamics hand-on session

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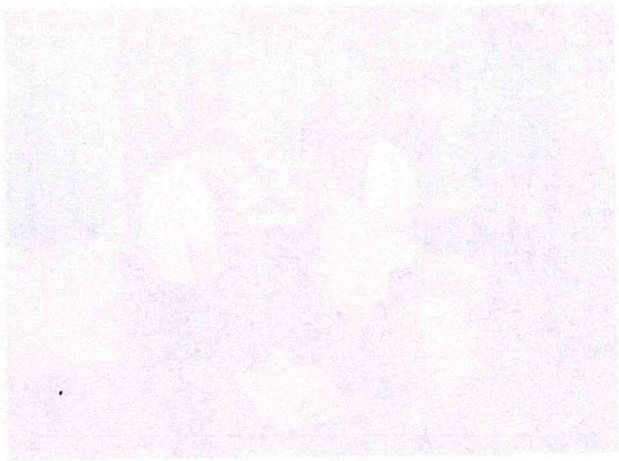
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Report of Basic Airway Management

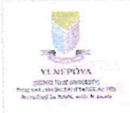
On 14-11-2017 Simulation based Training on all types of Basic Airway Management Tools and Techniques was held at ACTSYEN for the Interns. It was Simulation based course on Airway Management Tools & Techniques and followed by hands-on sections. Dr.Meghna Mukund and Dr.Shameem Habib were the resource person from Anaesthesia department .Total 15 students benefited with simulation based airway section and collected feedback from the students. Students reported that simulation training was very useful. Pre & post test assessments were done.



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Report of CPR Training

On 16-11-2017 Basic CPR Training for the Consultants of YU in association with Quality Department was conducted at EMD Auditorium. The sessions were about Recognize and initiate early management of Peri-arrest condition that may result in cardiac arrest or complete resuscitation outcome. Demonstrated proficiency in providing BLS Care, including prioritizing chest compression and integrating AED /Defibrillator use. Manage cardiac arrest until return of spontaneous circulation. Demonstrated effective communication as a member or leader of a resuscitation team and recognize the impact of team dynamics on overall team performance. This was followed by hands on experience on mannequins with the help of facilitators. Dr.Meghna Mukun, Dr.Shameem were the facilities for the training. Total we trained 33 people in this session.



Dr.Shameem during the session



Hands on experience on mannequins

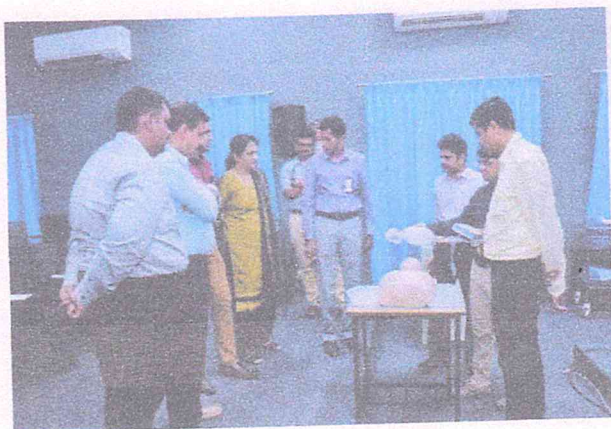
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Report of CPR Training

On 18-11-2017 Basic CPR Training for the Consultants of YU in association with Quality Department was conducted at EMD Auditorium. The sessions were about Recognize and initiate early management of Peri-arrest condition that may result in cardiac arrest or complete resuscitation outcome. Demonstrated proficiency in providing BLS Care, including prioritizing chest compression and integrating AED /Defibrillator use. Manage cardiac arrest until return of spontaneous circulation. Demonstrated effective communication as a member or leader of a resuscitation team and recognize the impact of team dynamics on overall team performance. This was followed by hands on experience on mannequins with the help of facilitators. Dr.Meghna Mukun and Dr.Thippeswamy were the facilities for the training. Total we trained 12 people in this session.



Dr.Thippeswamy during the session

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REPORT OF MANIPAL SCHOOL VISIT

Manipal school students had visited Acts-yen simulation center as a part of their curriculum on 25-11-2017. 45 students had visited the center. The sessions were about reproductive system and reproductive health and sessions divided in to 4 stations.

| Sl No | Topic | Equipment and other aids required/ room | Time required | Resource faculty |
|-------|--|---|---------------|----------------------------|
| 1 | Female reproductive organ Male reproductive organ | Anatomage table | 20 min | Dr. Quidisia Dr. Bindhu |
| 2 | Introducing the embryo | Embryo models | 15 min | |
| 3 | To demonstrate what a Obstetric USG shows | Ultrasound Virtual simulators | 15 min | Dr. Vishwanath Reddy |
| 4 | Normal Labour | MFS | 15 min | Dr. Smitha B Rao |
| 5 | Psychiatry session | EMD Auditorium | 20 min | Dr. Ravichandra Karkal |

The feedback was collected from the students



Normal delivery session



Anatomage table

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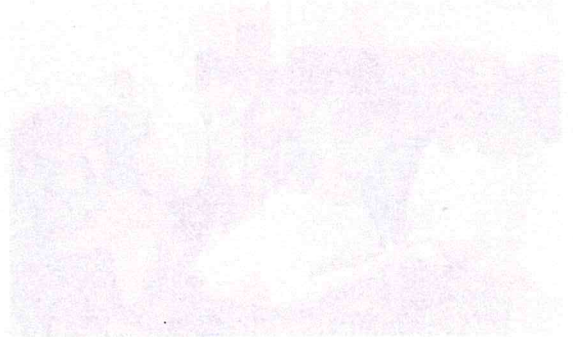
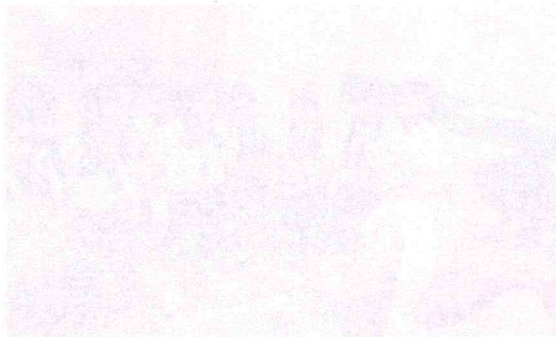


Report of CPR Training

On 30-11-2017 Basic CPR Training for the Consultants of YU in association with Quality Department was conducted at EMD Auditorium. The sessions were about Recognize and initiate early management of Peri- arrest condition that may result in cardiac arrest or complete resuscitation outcome. Demonstrated proficiency in providing BLS Care, including prioritizing chest compression and integrating AED /Defibrillator use. Manage cardiac arrest until return of spontaneous circulation. Demonstrated effective communication as a member or leader of a resuscitation team and recognize the impact of team dynamics on overall team performance. This was followed by hands on experience on mannequins with the help of facilitators. Dr.Meghna Mukun and Dr.Shameem were the facilities for the training. Total we trained 18 people in this session.



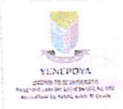
Hands on experience on mannequins



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Report of CPR Training

On 02-12-2017 Basic CPR Training for Physiotherapy staff & staff Nurses of YU in association with Quality Department was conducted at EMD Auditorium. . It was started with brief introduction on BLS and CPR by Dr.Thippeswamy. Sessions were about “how to identify patient with cardiac arrest and our role as first level responders in saving life providing high quality CPR.” This was followed by hands on experience on mannequins with the help of facilitators.



Hands on experience on mannequins

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Report of CPR Training and trauma management

On 02-12-2017 ACTSYEN conducted CPR Training and Trauma management for the Police personnel and staff of Taluk hospital Thirthahalli. Sessions were about how to identify patient with cardiac arrest and our role as first level responders in saving life providing high quality CPR." This was followed by hands on experience on mannequins with the help of facilitators. Dr.Jeevan added a few insights about trauma management. We trained 20 people from Thirthahalli.

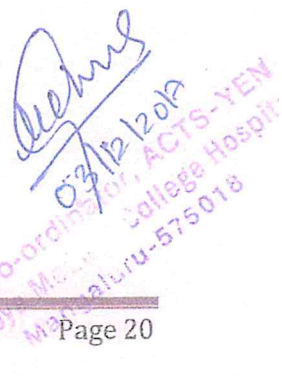


Hands-on experience

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Report of CPR Training

On 09-12-2017 Basic CPR Training for Staff Nurses of YU, Acts-yen in association with Quality Department was conducted at EMD Auditorium. Sessions were about how to identify patient with cardiac arrest and our role as first level responders in saving life providing high quality CPR." This was followed by hands on experience on mannequins with the help of facilitators. It was started with brief introduction on BLS and CPR by Dr Meghna. Dr.Meghna MukunD and Dr.Shameem , were the facilities for the training. We trained 19 nurses in this section



Dr.Meghna Mukund explaining about crash cart

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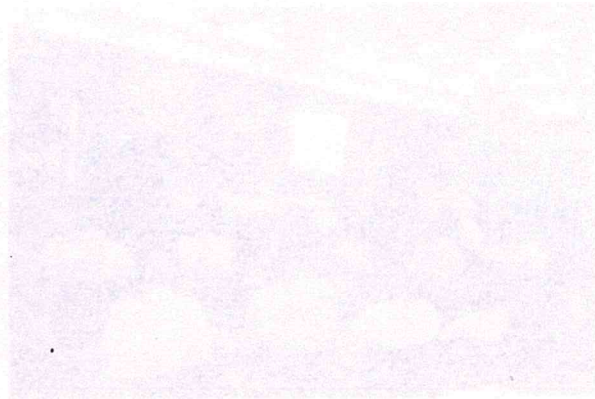


Report of CPR Training

On 14-12-2017 Basic CPR Training for YMCH non medical staff of YMCH in association with Quality Department was conducted at EMD Auditorium. Sessions were about how to identify patient with cardiac arrest and our role as first level responders in saving life providing high quality CPR.” This was followed by hands on experience on mannequins with the help of facilitators. It was started with brief introduction on BLS and CPR by Dr. Thippeswamy. We trained 21 non medical staff of YMCH.



Dr.Thippeswamy during the session



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Report of CPR Training

On 16-12-2017 Basic CPR Training for YMCH non medical staff of YMCH in association with Quality Department was conducted at EMD Auditorium. Sessions were about how to identify patient with cardiac arrest and our role as first level responders in saving life providing high quality CPR.” This was followed by hands on experience on mannequins with the help of facilitators. It was started with brief introduction on BLS and CPR by Dr.Meghna Mukund. We trained 22 non medical staff of YMCH.



Hands-on session

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Report of Faculty Development Program for OBG nursing staff of YNC

On 20-12-2017 Faculty Development Program for OBG nursing staff of YNC was conducted at ACTSYEN. The session was attended by 10 YNC staff of different departments like Paediatric Nursing, Medical Surgical Nursing & Mental Health Nursing from YNC. Dr. Smitha B Rao was the resource faculty from OBG department, YMC. The participants were provided detailed, hands on overview about features of Lucina, Scenarios of Lucina and debriefing section. The resource persons provided a constructive feedback and discussed as to what could have been done and what could have been avoided. The feedback was collected from the Staff.



Dr. Smitha during the session

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Programme Reports ACTS-YEN 2016

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REPORT OF USER TRAINING WORKSHOP

A 'User Training workshop' was conducted for faculty of Yenepoya Medical and Nursing College from 14th March, 2016 to 18th March, 2016 in the Simulation Centre, 8th Floor, EMD Building YMCH by Medical Education Unit, Yenepoya Medical College. It was organized by Dr Rashmi Jain and Dr Meghna Mukund.

The sessions were conducted from 09.00 am to 05.00 pm and were attended by 32 faculty members. The resource faculties were Dr. Dinker Pai, Simulation educator and Adjunct faculty, CAE Healthcare and Dr Amit Nagpal from DY Patil, Navi Mumbai.

- 14th and 15th March, 2016 the training workshop was on the Human Patient Simulator (HPS). While on 16th and 17th March, 2016 the training was focused on Baby and Pediasim.
- The participants were provided detailed, hands on overview about features of HPS and Baby Sim and Pedia Sim. Dr Pai explained about the MUSE software, usage of MUSE, Navigating MUSE and Touch Pro Software. Anatomy of an SCE was discussed. Dr. Dinker Pai also showed the examples with built-in SCEs. He and Dr Amit Nagpal discussed regarding developing new SCEs.
- The participants worked in small groups to design simulation scenarios. The resource persons provided a constructive feedback and discussed as to what could have been done and what could have been avoided.
- On 18th March, 2016 initial sessions were about the principles of simulation education and debriefing. The SCE created by the faculty were run for the postgraduates from various departments. This along with the feedback by Dr Dinker Pai provided immense experiential learning to the faculty and the students involved.

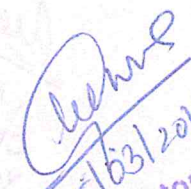
The Workshop ended with Dr Meghna Mukund thanking Dr. Dinker Pai and his CAE team. Certificate of Participation was presented to all participants.



User Training Workshop in the CAE Healthcare HPS, Baby and Pediasim

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"TRAINING OF TRAINERS WORKSHOP MFS AND METIMAN"

A 'Training of Trainers workshop for Maternal Fetal Simulator and Metiman' was conducted from 13th June, 2016 to 16th June, 2016 in the Simulation Centre, 8th Floor, EMD Building YMCH by ACTS YEN and Medical Education Unit, Yenepoya Medical College. It was attended by 34 faculty members from YMC, YU and YNC, 3 bio-medical engineers and 2 faculty members from Symbiosis, Pune. The resource faculty was Mr. Juan Antonio Muro Sans (U.K), Simulation educator and Adjunct faculty, CAE Healthcare and Dr Amit Nagpal from DY Patil, Navi Mumbai.



Antonio Muro Sans explaining MUSE Software



Dr. Amit Nagpal, during the workshop

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REPORT OF TECHNOLOGY TRAINING OF SURGICAL PRODUCT LINES

TECHNOLOGY TRAINING OF SURGICAL PRODUCT LINES – Endoscopy VR and Vimedix ultrasound simulator and LAP VR was conducted on September 20-22, 2016 in the Simulation Centre, 8th Floor, EMD Building ACTS YEN, Yenepoya Medical College. It was attended by 9 faculty members from YMC .Nine engineers and technicians from Mangalore, Hyderabad, Mumbai and Chennai we trained on use of Laparoscopy and Endoscopy VR and Vimedix ultrasound simulator. The resource faculties were Mr. Steve Huang – Product Specialist International customer support – APAC CAE Healthcare and Mr. Pradeep Kattenahalli – Product Specialist International customer support – South East Asia, CAE Healthcare



Mr. Steve Huang explaining about VR endo

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REPORT OF HPSN WORKSHOP

The Department of ACTS-YEN, Medical Education Unit, YMC, Mangalore, conducted, ON 3rd & 4th December 2016 HUMAN PATIENT SIMULATION NETWORK (HPSN) INDIA 2016. This is the first international healthcare simulation conference in India Organised by CAE, HEALTH CARE and co hosted by Yenepoya University and Father Muller Charitable Institutions on 3rd & 4th DEC 2016.

How to teach Human Factors in your simulation program :Professor Robert O’Brien from University of Melbourne was the resource faculty at the workshop. 20 delegates, including Heads of the departments of Yenepoya Medical College and other colleges, participated in the programme.

Ultrasound simulation (TTE Echo, TEE Echo, Chest, Vascular Access)

This work shop demonstrated cost and time effective ultrasound simulations using high fidelity CAE Vimedix Ultrasound Simulators and Blue Phantoms.

The Trauma Simulation, by Dr. Dinker Pai created a lot of interest amongst the delegates. Postgraduate doctors of various specialties and nursing staff teamed up to volunteer for the scenario. It was an interactive session with discussions to facilitate and improvise the performance of the participants. Hemodynamic and simulation, by Dr Poonam Malhotra, Professor, Department of Cardiac Anaesthesia-AIIMS, New Delhi and Simulation: An Effective method to assist New Graduates-Transition to Practice, by Dr. Rajiv Yeravdekar, Faculty of Health & Biomedical Sciences, Symbiosis International University were other interesting sessions. Dr Anand Hinduja conducted a session on Toxicological emergencies. This was followed by a talk on Centre Accreditation: Why? How? , By Ms Amanda Wilford.

Total 268 delegates participated in the entire session



Inaugural ceremony



Trauma scenario session

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REPORT OF BLS FOR FIRE FIGHTERS

Acts-yen conducted Basic life support training for the fire force team on 26th December 2016. We trained total 22 fire fighters .Dr.Meghna Mukund and Dr.Thippeswamy were the resource faculties for the training.

The session started with foreword by Mr. T N Shivashankara , Chief fire officer, regarding the need on BLS training for his fire fighters and its benefits in saving lives as day to day practice. This was followed by brief introduction on BLS and CPR by Dr Meghna. Dr Thippeswamy gave an elaborative presentation on “how to identify patient with cardiac arrest and our role as first level responders in saving life providing high quality CPR.” This was followed by hands on experience on mannequins with the help of facilitators.

Session was very interactive with enthusiastic bunch of fire fighters lasting for about 3 hrs which ended with vote of thanks by Dr Thippeswamy. Mr Sathish & Mr Vasanthe Gowda concluded by thanking the faculty and Yenepoya University for conducting such training session and would like to recommend others to undergo such training at ACTS-YEN.



Group Photo



Hands-on session

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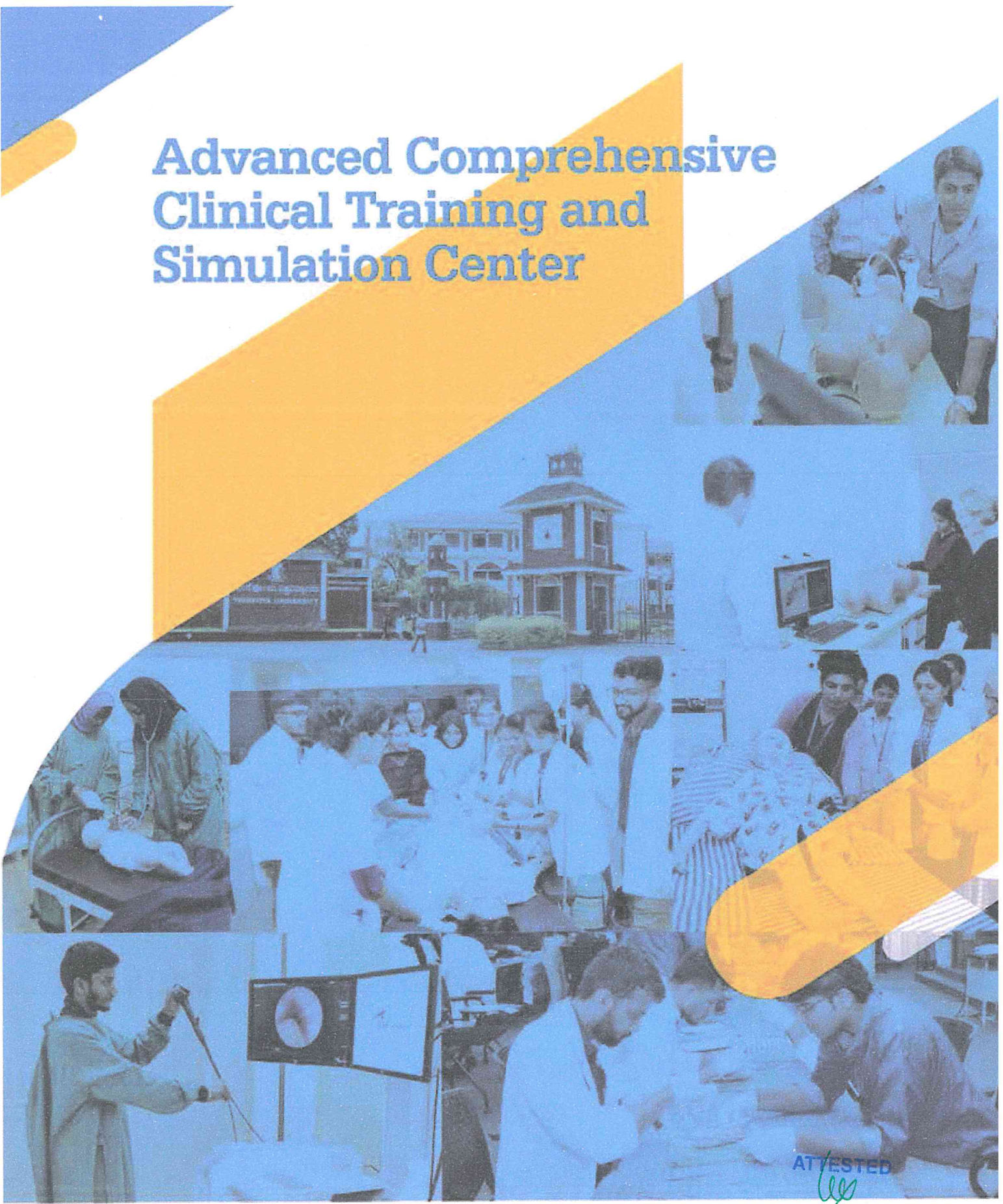
Brochure

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Advanced Comprehensive Clinical Training and Simulation Center



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ACT YEN

Advanced Comprehensive Clinical Training and Simulation Centre

ACTS-YEN

Advanced Comprehensive Clinical Training and Simulation Centre (ACTS-YEN) at Yenepoya (Deemed to be University) was inaugurated in 2016. It is one of the largest state-of-the-art simulation facilities in the private health care sector of the country. It is equipped with the widest range of latest simulators, Virtual reality simulators & task trainers and boasts of a well-trained team of simulation facilitators and ancillary staff.

ACTS YEN endeavors to achieve the goal of enhancing patient safety. To achieve this goal a team of dedicated well-trained faculty has designed a variety of courses following the principles of Simulation-based training. The courses are executed involving in house as well as expert national & international invited simulation trainers.

SIMULATION BASED TRAINING

The simulation lab is designed to offer a controlled virtual setting to enable the student / professional to process and analyze clinical decision-making. The simulation lab enables learners to make errors in these settings, by providing them with tasks to test & challenges their skills including decision making ability in critical situations.

ADVANTAGES OF SIMULATION BASED TRAINING

- Reduces human error
- Skill development
- Practice skills in a controlled and safe environment
- On-demand access to patients
- Provides uniform learning opportunity to all students
- Customization of scenario as per level of learner
- Promotes development of non technical skills like team work, human factors etc.

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WHY ACTS YEN?


Skill based active learning with personal attention to each learner contributes to the high quality learning experiences at ACTS YEN. ACTS-YEN the center offers the facility which encourages all levels of learners to engage in an incomparable clinical education experience in a safe, realistic, stress free and effective environment. This allows learners to develop self confidence through skill mastery.

APPLICATIONS OF SIMULATION CENTRE & BENEFICIARIES:

The center can be used by individual students for improving skills and for self-appraisal. It can be used by faculty for training concepts as well as evaluation. It also finds application in training health care professionals including newly inducted nursing and ancillary staff in regarding protocols, standard operating procedures, and codes related to hospital as well as accreditation bodies like NABH and NABL. Certification of skills both technical as well as communication skills mandated as per regulatory bodies can be very effectively performed at simulation center.

Basic workshops aim at undergraduate & internship level students. The advanced workshops target postgraduates as well as consultants. A very important use of Simulation laboratory is the utilization of the facility for creating awareness & training of school students and the general public towards medicine and basic life support skills.

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COURSES OFFERED AT ACTS-YEN

ACTS-YEN CERTIFIED WORKSHOPS

- Accidents And Emergency Training For General Practitioners 1 Day
- Advanced Training In Biomedical Applications 3 Months
- Airway Management 3 Hours
- Basic & Advanced Trauma Management 1.5 Days
- Basic Clinical Simulation Educator 1 Day
- Basic Laparoscopic Skill 1 Day
- Basics Of Bronchoscopy Skill 1 Day
- Basics Of ECG And Pharmacology 3 Hours
- Cardio Pulmonary Resuscitation (Adult & Paediatrics) 4 Hours
- Communication Skills Course For Healthcare Providers 3 Hours
- Difficult Airway Management 1 Day
- Finishing School For Nurses 6 Days
- Fundamentals Of Critical Care Support Course 1 Day
- Fundamentals Of Simulation And Art Of Debriefing 1 Day
- Intensive Care Unit Protocols 1 Day

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- Interns Competency Building Course 6 Days
- Management Of Adverse Drug Reaction And Toxicity 2 Hours
- Management Of Arrhythmias 2.5 Hours
- Management Of Poisoning 2 Hours
- Obstetric Examination And Emergency Management 1 Day
- Regional Block 4 Hours
- Simulation Facilitator Course 6 Months
- Ventilator care and management 1 Day
- Trauma And Basic Life Support Training For General Public 1.5 Hours

AMERICAN HEART ASSOCIATION COURSES

- Basic life support (BLS) 1 Day
- Advanced Cardiac Life Support (ACLS) 2 Days

WHO CAN ATTEND / BENEFICIARIES

- Hospital /consultants/teachers
- Medical undergraduates and post graduates
- Nursing students
- Paramedical students
- Teachers with aptitude & interest to be simulation trainer


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ACTS-YEN
FACILITIES

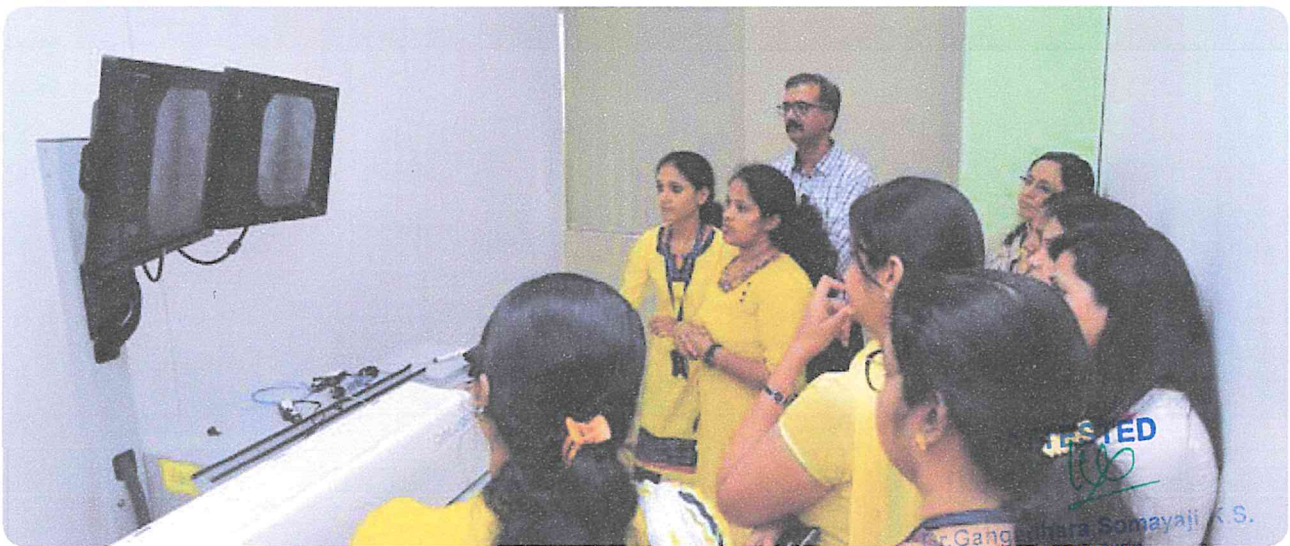
Anatomage TABLE

The Table is the most technologically advanced anatomy visualization system for anatomy education. CT-based virtual dissection improves student performance in gross anatomy courses. Clinical education & surgical planning with the Anatomage table will improve. Detailed exploration of 3D structures used by the anatomy department.



CATHLAB VIRTUAL REALITY SIMULATOR - CathLabVR™

Cath lab VR provides quality training in accessing and navigating diverse Anatomy with cardiac and vascular abnormalities. With cath lab VR, instructors can easily customize case parameters (Percutaneous coronary interventions, Transcatheter aortic valve implantation, Advanced percutaneous coronary interventions) to match each learner & performance level. At the conclusion of each case, learners can be debriefed with evidence-based metrics and outcome measurements. C-arm manipulation is also possible.



INFANT PATIENT SIMULATOR – BabySIM®

This is a high fidelity infant simulator, which delivers automatic response to clinical interventions to prepare healthcare professionals for critical events relating to infants. It can be used for life saving interventions related to cardiovascular, pulmonary and neurological systems.



PAEDIATRIC PATIENT SIMULATOR – PediaSIM®

The pediatric patient simulator mimics a six year old child that provides advanced pediatric simulation training. It has realistic cardiac, breathing, bowel and vocal sounds which allow an immersive learning environment. Pharmacology system automatically calculates pharmacokinetics and pharmacodynamics for 56 intravenous and inhaled medications



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University Road, Deralakki
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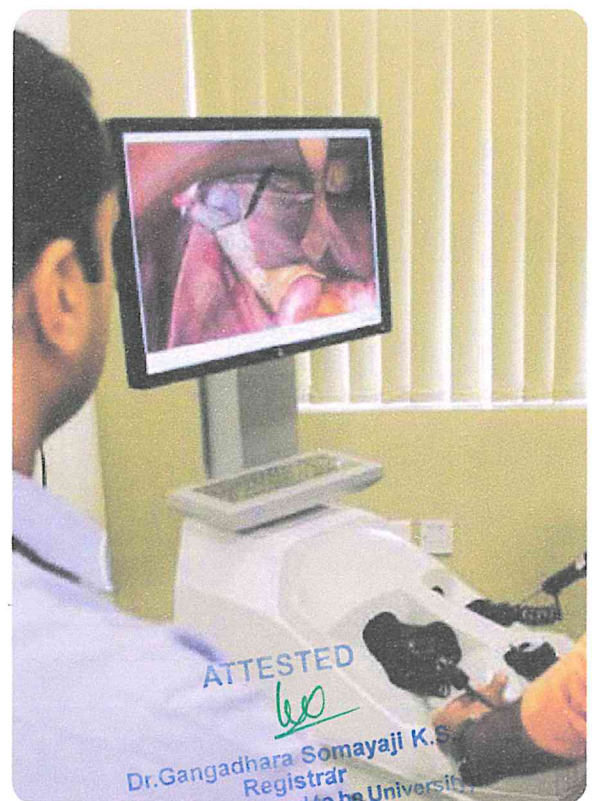
ENDOSCOPIC VIRTUAL REALITY SIMULATOR - EndoVR™

The EndoVR is a new generation of interventional simulation where virtual reality, haptics, and real patient cases push the limits of medical simulation. Designed for better performance with a state-of-the-art user interface, the EndoVR is easier to configure and use. Supporting three learning environments in an all-in-one platform, including basic to advanced bronchoscopic, upper gastrointestinal tract (GI) and lower gastrointestinal tract (GI) endoscopy training procedures.



LAPAROSCOPIC VIRTUAL REALITY SIMULATOR - LapVR™

Enables practice, learning and improving minimally invasive surgical skills, from basic to advanced laparoscopic procedures. LapVR gives learners the opportunity to develop proficiency in techniques such as suturing, knot tying and loop ligation as well as some frequently performed laparoscopic surgeries like cholecystectomy and appendectomy for risk-free learning.



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leo
Dr. Gangadhara Somayaji K.S.
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ADULT HUMAN PATIENT SIMULATOR (HPS)

The Adult HPS is the only human patient simulator available currently, that provides a true respiratory gas exchange. The HPS interfaces with real clinical monitors and ventilators, and automatically responds to the administration of real anesthetic gases, oxygen therapy, and medications. HPS is the Gold Standard in high fidelity patient simulation for respiratory and critical care training. Adequate chest compressions result in simulated circulation, cardiac output, central and peripheral blood pressures, carbon dioxide return. Enhanced Drug Recognition System that automatically identifies the drug, concentration, and dose, requiring no interaction from the instructor. Team dynamics and non-technical skills can be enhanced by unique patient voice features of HPS which enables interaction between manikin and students.



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MATERNAL FETAL SIMULATOR (MFS)

MFS is the only wireless childbirth simulator with validated, integrated maternal-fetal physiology and interchangeable static services to train on all the stages of delivery and various emergency scenario. From realistic palpable uterine contractions, normal delivery and breech birth to shoulder dystocia, Postpartum hemorrhaging, including Class III hemorrhage and eclampsia are possible in MFS.



Dr. [Name] K.S.
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WIRELESS ADULT PATIENT SIMULATOR - METIman®

The METIMAN has a wide range of powerful new features to deliver realistic simulation-based healthcare training. With the simulated patient model (Pre hospital), METIMAN offers versatility in high fidelity simulation training. Metiman simulation is best described as an ER trauma and simulator, suitable for in-situ simulations.

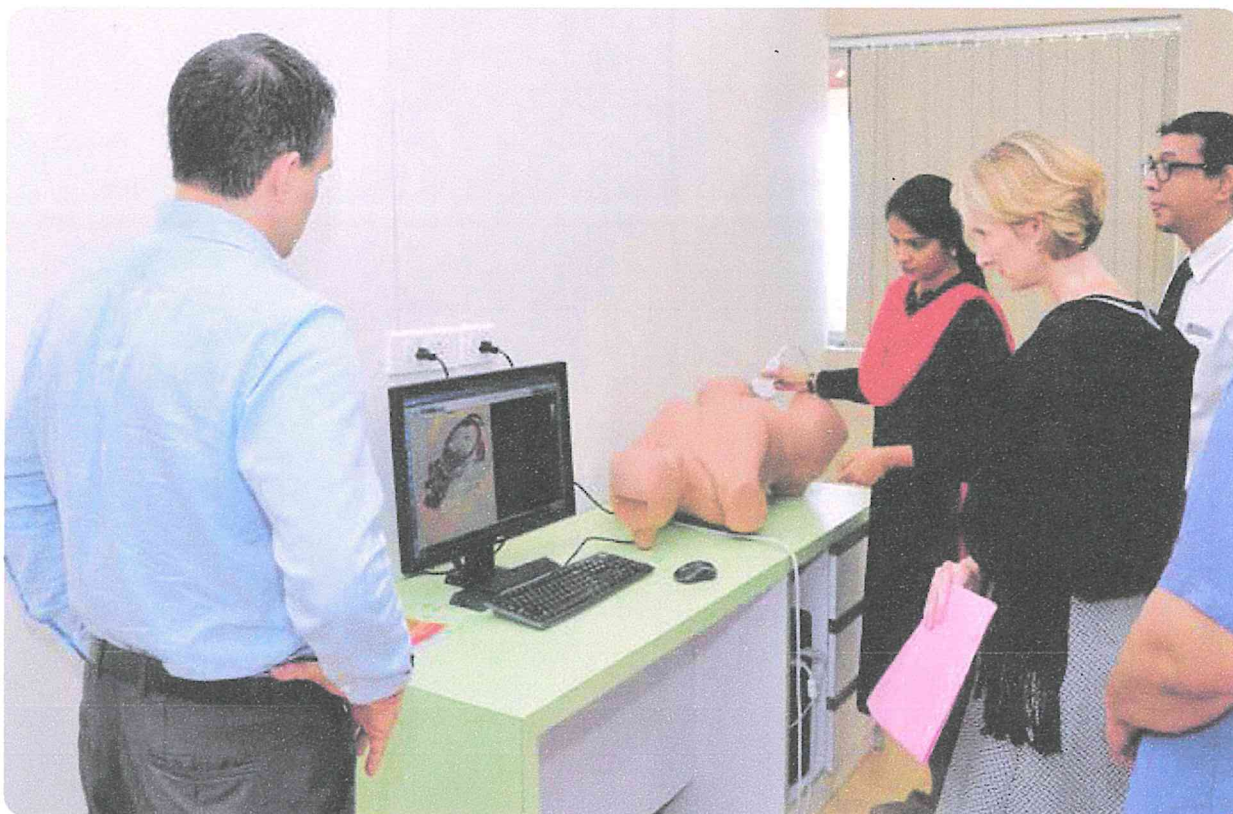


VIMEDIX ULTRASOUND SIMULATOR - Vimedix

Vimedix is a high-fidelity ultrasound simulator designed to make learning more engaging and intuitive. It allows to develop psychomotor skills needed to handle ultrasound probes as well as cognitive skills to

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10/2/2023
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interpret ultrasound images, make diagnoses and clinical decisions. Vimedix Cardiac, Abdo and Vimedix Ob/Gyn allow simulation of transthoracic echocardiography (TTE), transesophageal echocardiography (TEE), general abdominal ultrasound, lung ultrasound, obstetric and gynecologic ultrasound.



CPR TASK TRAINER

Effective Basic life support (BLS) and (ACLS) training can be provided to students and public.



OPHTHALMOSCOPY TRAINING & SIMULATION SYSTEM - OphthoSim™

This is a hands-on simulation system that empowers students to actively diagnose retinal conditions within a simulated environment. Allows students to practice monocular vision and improve their ophthalmoscopic technique. It permits tracking movements of the Ophthalmoscope and so verifies student progress and learning.



OTOSCOPY TRAINING & SIMULATION SYSTEM - OtoSim™

OtoSim is a hands-on simulation system to train students for otoscopy skills. The tracked simulated otoscope interacts with a library of normal ear anatomy as well as hundreds of pathologies. This ensures authentic learning.

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IV CANNULIZATION & SUTURING ARM

This is a task trainer arm, made of silicone, unique in quality and design and allows realistic injection training to health care professionals.



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Advanced Comprehensive Clinical Training and Simulation Centre



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Mobile: +91 960 694 9820

www.actsyen.com / www.yenepoya.edu.in

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Dr.Gangadhara Somayaji K.S.
Registrar
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University Road, Deralakatte
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For Space / Equipment hiring or Consulting - Contact: 9036090590



YENEPOYA

(DEEMED TO BE UNIVERSITY)

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Advanced Surgical Skills Enhancement Division(ASSEND)


ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore - 575 018, Karnataka

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Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka

Brief note on Advanced Surgical Skills Enhancement Division(ASSEND)

ATTESTED



Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore - 575 018, Karnataka



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**ASSEND – Advanced Surgical Skill Enhancement Division,
Yenepoya (Deemed to be University)**

Our ASSEND started with the view to enhance the surgical skills for the budding surgeons. In current century minimal invasive surgeries are gaining upper hand day by day. The reasons behind this are minimal incision, fast healing, less tissue damage, less or no identifiable scar, less post op care and early discharge from the hospital.

In ASSEND the minimally invasive surgical techniques like Robotic, in collaboration with Intuitive surgical private limited and Laparoscopic surgical skill training, Transplantation techniques with respect to Liver and Kidneys are also being imparted. After getting the clearance from the Government of India, we started our first internal program on 23rd April 2019 and external program on 12th June 2019. Till 31st December 2020 a total of 27 laparoscopic training sessions are conducted, out of which 3 programs were in collaboration with Verwandeln Institute, Kochi, and more than 122 surgeons from various parts of India and one from UAE have attended. On 23rd of October 2019 our first robotic skill training program was started. Till 31st December, a total of 15 training programs have been conducted and in each training single surgeon has been trained along with 4 assistant surgeons. A total of 42 programs have been conducted and 143 surgeons have been benefitted till 31st December 2020.

Currently we have approval for 5 training protocols under laparoscopic surgery, robotic surgery, liver transplantation, renal transplantation, ARDS model.

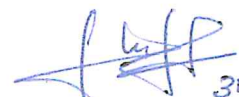
This unit is under the direct supervision of our Vice Chancellor Dr. M. Vijayakumar, who is a senior surgical oncologist

Our team consists of ;

1. Dr. Suprith Surya, Consultant Veterinary Surgeon and In-charge, ASSEND YU, who has been trained specially at Intuitive Tokyo Training Centre, Japan.
2. Dr. Abhishek M.S, Consultant Veterinary Surgeon, ASSEND YU
3. Mr. Yogesh S.K, OT Technician, ASSEND YU
4. Mr. Kirana, Attender cum animal handler, ASSEND YU

ATTESTED

Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka


31/12/2020
V/C Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

University Road, Deralakatte, Mangaluru - 575 018.

T : +91 824 220 6000 E : reachus@yenepoya.edu.in www.yenepoya.edu.in

**Geotagged photographs of Advanced
Surgical Skills Enhancement
Division(ASSEND)**

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Dr. Gangadhara Somayaji K.S.
Registrar
Yeshas (Deemed to be University)
University Road, Deralakatte
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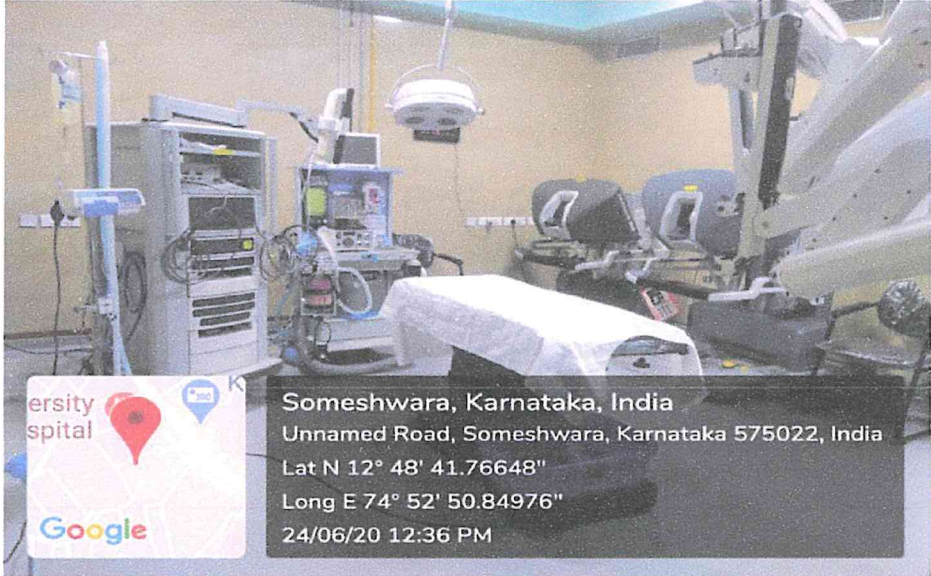
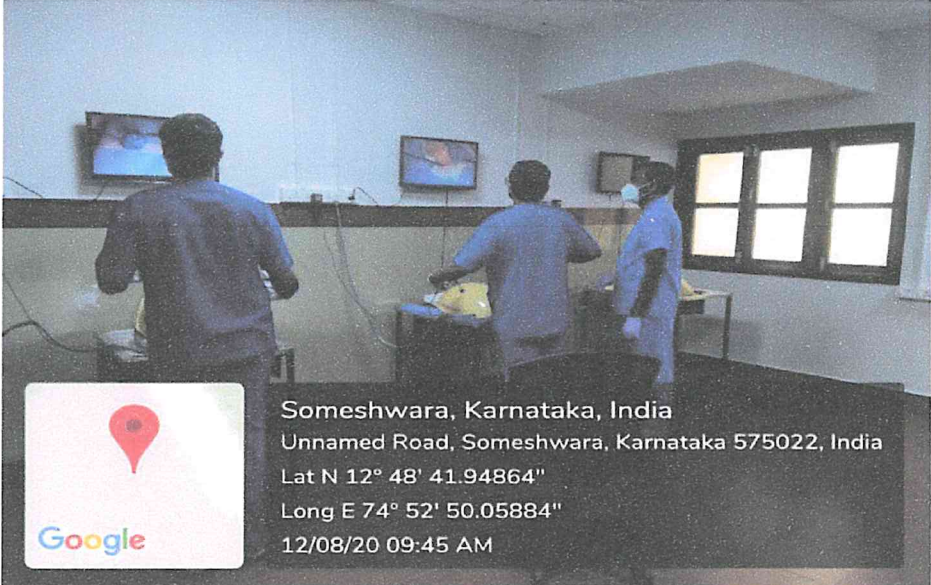


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**Geotagged photos of Advanced Surgical Skills Enhancement Division
(ASSEND)**

| Sl.No | Facilities | Geotagged photo |
|-------|----------------------------|---|
| 1 | ASSEND Robotic Unit |   |

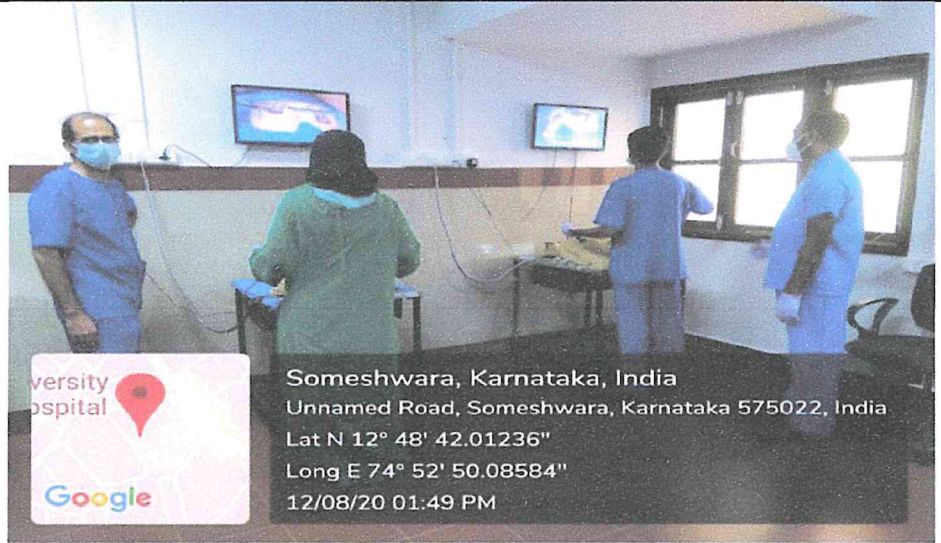
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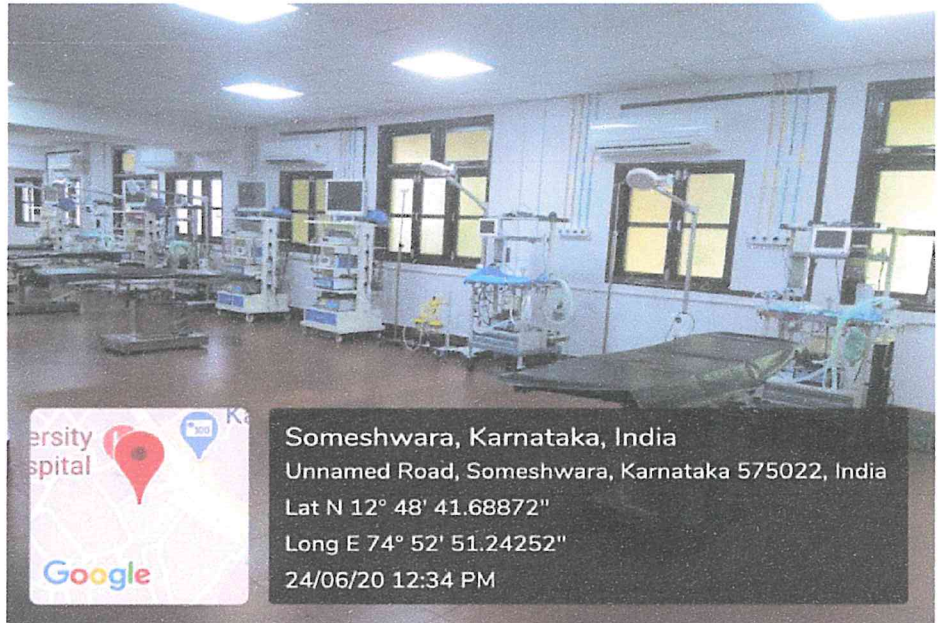


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Laparoscopic unit



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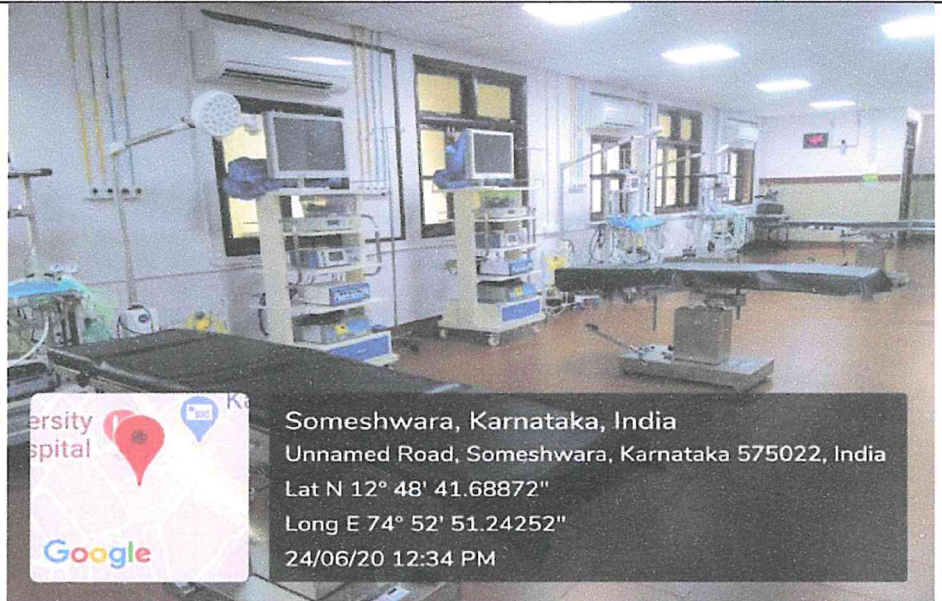
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Mangalore-575 018, Karnataka



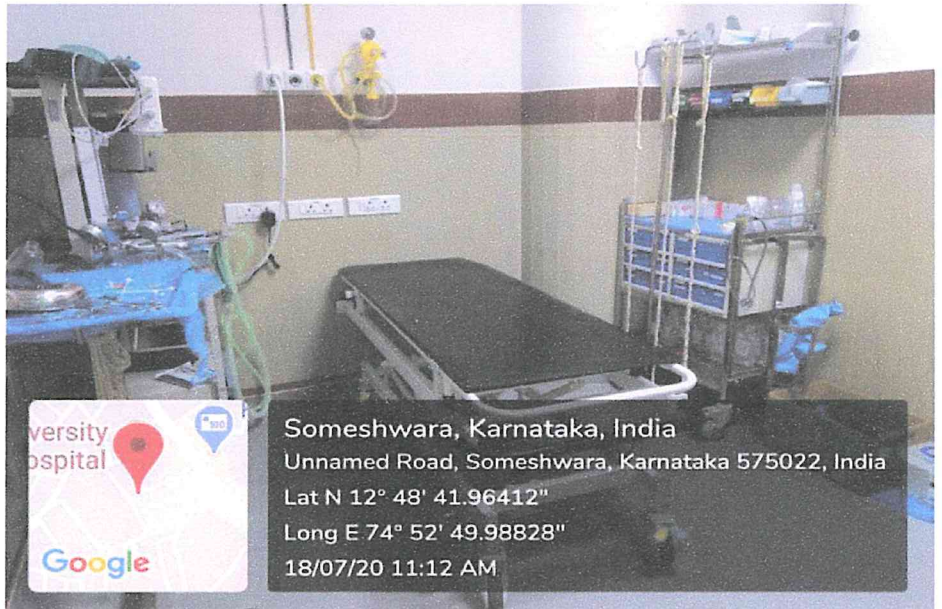
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Pre-
Anaesthetic
room



Someshwara, Karnataka, India
Unnamed Road, Someshwara, Karnataka 575022, India
Lat N 12° 48' 41.68872"
Long E 74° 52' 51.24252"
24/06/20 12:34 PM



Someshwara, Karnataka, India
Unnamed Road, Someshwara, Karnataka 575022, India
Lat N 12° 48' 41.96412"
Long E 74° 52' 49.98828"
18/07/20 11:12 AM

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka

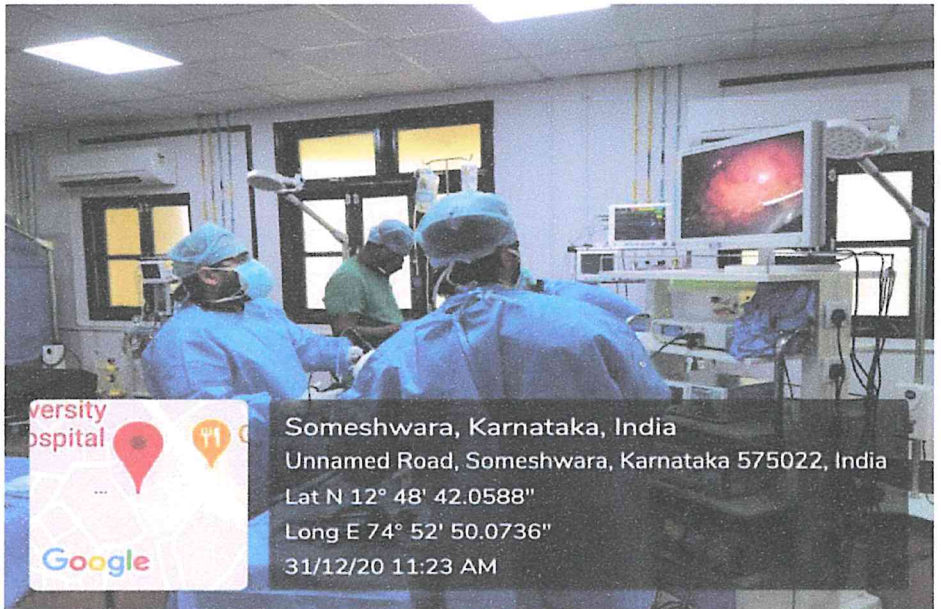


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Someshwara, Karnataka, India
Unnamed Road, Someshwara, Karnataka 575022, India
Lat N 12° 48' 41.9652"
Long E 74° 52' 49.944"
25/12/20 11:06 AM



Someshwara, Karnataka, India
Unnamed Road, Someshwara, Karnataka 575022, India
Lat N 12° 48' 42.0588"
Long E 74° 52' 50.0736"
31/12/20 11:23 AM

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Derlakatte
Mangalore-575 018, Karnataka

**Approval copy for the program Advanced
Surgical Skills Enhancement
Division(ASSEND)**

ATTESTED



Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore - 575 018, Karnataka

V-11011(13)/15/2020-CPCSEA-DADF
Government of India
Ministry of Fisheries, Animal Husbandry and Dairying
Department of Animal Husbandry and Dairying
O/o Committee for the purpose of Control and Supervision of Experiments on Animals

Krishi Bhawan, New Delhi-110001
Dated: 9th October, 2020

To,

Dr. Megha Rani N, Member Secretary, IAEC,
Yenepoya University,
Nithyananda Nagar P.O., Deralakatte,
Mangalore - 575 018, Karnataka
Email: ranimegz@gmail.com

Subject: Approval of Research Protocols – regarding.

Madam,

This is to inform you that the CPCSEA has considered the following research protocols of Yenepoya University, Mangalore, in its 80th meeting held on 29th September, 2020, under the following Principal Investigator as below:

| Sr. No. | Title of Research Protocols | Decision of the Committee |
|---------|--|--|
| 1 | Developing innovate robotic surgery skills in surgeons using swine models. P.I.: Dr. Rohan Shetty | Approved for 200 White Yorkshire Pigs of either sex for one year. The Principal Investigator of research protocol is required to submit the results of the protocol after one year. |
| 2 | Developing innovative laparoscopic surgical skills in surgeons- swine model. P.I.: Dr. Rohan Shetty | Approved for 100 White Yorkshire Pigs of either sex for one year. The Principal Investigator of research protocol is required to submit the results of the protocol after one year. |
| 3 | Developing Innovative Acute Respiratory Distress (ARDS) ventilatory strategies and skills in intensivists and anaesthesiologists in Swine model. P.I.: Dr. Thippeswamy HG | Approved for 30 White Yorkshire Pigs of either sex for one year. The Principal Investigator of research protocol is required to submit the results of the protocol after one year. |

Yours sincerely,




(Dr. S. K. Dutta)

Member Secretary (CPCSEA)

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka


Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEHD)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018

F. No. 25/2/2020 - CPCSEA-DADF
Government of India
Ministry of Fisheries, Animal Husbandry and Dairying
Department of Animal Husbandry and Dairying
O/o Committee for the purpose of Control and Supervision of Experiments on Animals

Krishi Bhawan, New Delhi-110001
Dated, 13th April, 2020

To,

Dr Megha Rani N
Member Secretary, IAEC,
Yenepoya University,
Nithyananda Nagar P.O., Deralakatte,
Mangalore - 575 018, Karnataka
Email: ranimegz@gmail.com

Subject: Approval of Research Protocols – regarding.

Sir,

This is to inform you that the CPCSEA has considered the following research protocols of Yenepoya University, Mangalore, in its 75th meeting, under the Principal Investigators as below:


| Sr. No | Title of Research Protocols | Decision of the Committee |
|--------|--|--------------------------------------|
| 1 | Developing liver transplant skills in surgeons using swine model. P.I.: Dr. Rohan Shetty | Approved for 100 Pigs of either sex. |
| 2 | To develop renal transplant skills in surgeons using swine model. P.I.: Dr. Mujeeburahiman M. | Approved for 100 female Pigs. |


Yours sincerely,



(Dr. S. K. Dutta)
Member Secretary (CPCSEA)

ATTESTED


Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018, Karnataka



Received Apr 19th 2020
Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (SSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

Animal Procurement Agreement with Prakash Monteiro

ATTESTED



Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore - 575 018, Karnataka



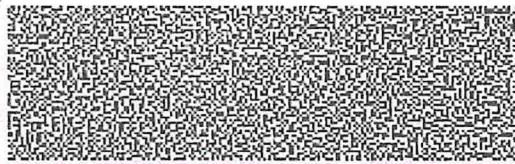
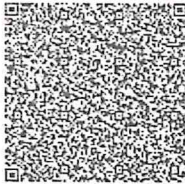
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Government of Karnataka

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 Unique Doc. Reference : SUBIN-KAKACRSFL0878513994252847S
 Purchased by : YENEPOYA DEEMED TO BE UNIVERSITY
 Description of Document : Article 30 Lease of Immovable Property
 Description : LEASE AGREEMENT
 Consideration Price (Rs.) : 0
 (Zero)
 First Party : YENEPOYA DEEMED TO BE UNIVERSITY
 Second Party : PRAKASH MONTEIRO
 Stamp Duty Paid By : YENEPOYA DEEMED TO BE UNIVERSITY
 Stamp Duty Amount(Rs.) : 100
 (One Hundred only)



Please write or type below this line

ANIMAL PROCUREMENT AGREEMENT

W.E.F: 01.01.2020

W.E.T : 31.12.2020

THIS ANIMAL PROCUREMENT AGREEMENT is entered into by and between the following parties on 1st day of January 2020

1. YENEPOYA UNIVERSITY, represented by Dr. K.S. Gangadhara Somayaji, Registrar, Yenepoya Deemed to be University, Mangalore Karnataka - 575018

Handwritten signature of Dr. K.S. Gangadhara Somayaji, Registrar, Yenepoya (Deemed to be University), University Road, Deralakatte, Mangalore 575 018

1

Dr. Gangadhara Somayaji K.S. Registrar Yenepoya (Deemed to be University) University Road, Deralakatte Mangalore - 575 018, Karnataka

Statutory Alert

1. The authenticity of this Stamp Certificate should be verified at "www.shcilestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

2. **ANIMAL VENDOR**, represented by Mr. Prakash Monteiro age 31, S/o Mr. Henry Monteiro, Jankala House, Vorkady Post, Manjeshwara, Kasaragod, Kerala - 671323.

This agreement includes all their respective heirs, successors, legal representative, executors, nominees, administrators and assignees as the case may be.

The Yenepoya (deemed to be university) and the Animal Vendor agreed on the following terms and conditions:-

1. Tentatively we may require 100 pigs per year.
2. The requirements for the training programs depend on the sessions held. Our requirements are as follows pigs of body weight ranging between 35 – 40 Kgs and 25-30 Kg Body weight.
3. The Yenepoya University shall pay the amount to the vendor as mentioned below ;
 - a. Pig upto 20 Kgs body weight is Rs. 5500/-
 - b. Rs. 220/- per Kg body weight for every Kg above 20 kg body weight.
 - c. One extra animal will be brought everytime during programs as an emergency backup along with the required numbers and will be taken back after the program.
 - d. Animal will be brought on time as per the schedules communicated.
 - e. Transportation of the animal for one way is Rs. 500/-
 - f. Disposal of the dead animal cost is Rs. 500/-

In the presence of following witness ANIMAL PROCUREMENT AGREEMENT on the day and date mentioned herein above was signed.

Party 1

K.S. Somayaji

Dr. K.S.Gangadhara Somayaji
Registrar, 14/01/2020
Yenepoya, Deemed to be University

Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore 575 018

Party 2

Prakash Monteiro

Mr. Prakash Monteiro
Animal Vendor

WITNESS:

For Yenepoya University

Suprith Surya

1) Dr. Suprith Surya
Veterinary Surgeon
Yenepoya (Deemed to be University)
Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

For Animal Vendor

Reema Jashma Cutinha

2) REEMA JASHMA CUTINHA

ATTESTED

K.S. Somayaji

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore - 575 018, Karnataka

Establishment Notification on starting of animal house

ATTESTED



Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deratakatte
Mangalore - 575 018, Karnataka



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University Road, Deralakatte, Mangaluru – 575 018

No.YU/REG/PA/BOM-42/Not/2018

Date: 28.2.2018

NOTIFICATION - 21

Sub: Starting of Animal House - reg.

Ref: 42nd BoM meeting held on 17.2.2018 – Agenda 26.

.....

The Board of Management at its meeting held on 17th February 2018 has **approved** the proposal submitted for starting of Animal House to utilize large animal (Swine) for developing the surgical innovations and skill based training.

Registrar
Yenepoya University

To:
Academics.

Vice Chancellor
Yenepoya (Deemed to be University)

ATTESTED

Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka

**Weekly report on robotic assisted training
program at Advanced Surgical Skills
Enhancement Division(ASSEND)**

ATTESTED



Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore - 575 018, Karnataka

**Report on Robotic Assisted Training program on 19/02/2021 and 02/03/2021
at ASSEND**

Surgeon training on Robotic assisted surgery using Si-system was conducted on above mentioned dates at ASSEND. The intuitive team consisting of Mr. Anand (trainer), Mr. Santhosh (CSE) and Mr. Sharad (CSE) had taken participation.

We used one live Female Porcine for each training program, which was live throughout the procedures and at the end they were sacrificed as per the standard protocol.

Surgeons who were attended the training program are as follows


| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|------------|---------------------|--------------------|-------------------------------------|
| 19-02-2021 | Dr. Nirmala Amber P | - | KIMS, Secunderabad |
| 02-03-2021 | Dr. Kamal S Yadav | Dr. Pimак Dasgupta | Medanta New Delhi, GEM Hyderabad |

| Animal no. | Date | No. of animals used | Body weight | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainer | Remarks |
|------------|------------|---------------------|-------------|------------------------|---------------------------|-----------------------------|---------------------|---------------------------------|
| NA | 17-02-2021 | NA | NA | 9.00 A.M - 5.30 P.M | NA | NA | NA | Animal procurement and lab work |
| IS 16 | 19-02-2021 | 1 | 33 | 7.30 A.M 5-45 P.M | 8 hrs 30 min | Live | Anand | Procedure and Animal disposal |
| NA | 01-03-2021 | NA | NA | 9.00 A.M - 5.30 P.M | NA | NA | NA | Animal procurement and lab work |
| IS 17 | 02-03-2021 | 1 | 34 | 7.30 A.M 5-45 P.M | 8 hrs 30 min | Live | Anand | Procedure and Animal disposal |


The schedules were as follows


Due to the technical issues with the Da-Vinci system the program was cancelled on 18th February 2021 and was rescheduled on 19th February 2021. The training program went on smoothly and at the end of each procedure or wet lab animals were live and were sacrificed.

ATTESTED


Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka

NA – Not applicable


Vice Chancellor
Yenepoya (Deemed to be University)


5/3/2021
Consultant Veterinary Surgeon
S/c Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

Report on Robotic Assisted Training program on 17/03/2021 and 25/03/2021
at ASSEND

Surgeon training on Robotic assisted surgery using Si-system was conducted on above mentioned dates at ASSEND. The intuitive team consisting of Mr. Anand (trainer), Mr. Nizam (CSE) and Mr. Aditya (CSE) had taken participation.

We used one live Female Porcine for each training program, which was live throughout the procedures and at the end of the procedure they were sacrificed as per the standard protocol.

Surgeons who were attended the training program are as follows

| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|------------|---------------------|-------------------|---------------------------|
| 17-03-2021 | Dr. Anjum | Dr. Noor | Yenepoya Medical College |
| 25-03-2021 | Dr. Sampada Desai | - | Reliance Hospital, Mumbai |

The schedules were as follows,

| Animal no. | Date | No. of animals used | Body weight | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainer | Remarks |
|------------|------------|---------------------|---------------|----------------------|---------------------------|-----------------------------|---------------------|---------------------------------|
| NA | 16-03-2021 | NA | NA | 9.00 A.M – 5.30 P.M | NA | NA | NA | Animal procurement and lab work |
| IS 18 | 17-03-2021 | 1 | 34 | 7.30 A.M – 6-30 P.M | 10 hrs 00 min | Live | Anand | Procedure and Animal disposal |
| NA | 24-03-2021 | NA | NA | 9.00 A.M – 5.30 P.M | NA | NA | NA | Animal procurement and lab work |
| IS 19 | 25-03-2021 | 2 | 1-30 and 2-33 | 7.30 A.M – 6-30 P.M | 10 hrs 00 min | 1- Dead 2- Live | Anand | Procedure and Animal disposal |

One of the animal died intra-operative on 25-03-2021 program. The training program went on smoothly and at the end of each procedure or wet lab, animals were live and were sacrificed.

ATTESTED

[Signature]
Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Derlakatte
Mangalore-575 018, Karnataka

[Signature] 29/3/2021
Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Derlakatte
Mangalore-575018

NA – Not applicable

Weekly report on robotic assisted training program from 21/06/2020 to
27/06/2020 at ASSEND

Surgeon training using Robotic assisted surgery training using X system was conducted this week at our ASSEND. The intuitive team consisting of Mr. Anand (trainer), Mr. Nizam (CSE).

We used one live Female Porcine for the training, which was live throughout the procedures and at the end they were sacrificed as per the protocol followed.

Surgeons who attended the training program are as follows

| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|------------|---------------------|-------------------|--------------|
| 22-06-2020 | Dr. Rohan Shetty | Dr. Ashwin Alva | AJ Mangalore |

The schedules were as follows

| Animal no. | Date | No. of animals used | Body weight | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainer | Remarks |
|------------|------------|---------------------|-------------|----------------------|---------------------------|-----------------------------|---------------------|---------------------------------|
| NA | 21-06-2020 | NA | NA | 5.00 P.M – 5.30 P.M | NA | NA | NA | Animal procurement and lab work |
| #015 | 22-06-2020 | 1 | 34 | 7.30 A.M 5-45 P.M | 8 hrs 30 min | Live | Anand | Procedure and Animal disposal |

The training program went on smoothly and at the end of each procedure or wet lab animals were live and were sacrificed.


On 25-06-2020, X machine got shifted back to Bangalore Intuitive Head office.

ATTESTED

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Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka


27/6/2020
Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

NA – Not applicable


Vice Chancellor
Yenepoya (Deemed to be University)

Weekly report on robotic assisted training program from 14/06/2020 to 20/06/2020 at ASSEND

Surgeon training using Robotic assisted surgery training using X system was conducted this week at our ASSEND. The intuitive team consisting of Mr. Anand (trainer), Mr. Nizam and Mr. Pankaj (CSE).

On 17-06-2020 X machine was shifted and installed at ASSEND from Intuitive surgicals Bangalore.

We used one live Female Porcines for the training, which was live throughout the procedures and at the end they were sacrificed as per the protocol followed.

Surgeons who attended the training program are as follows


| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|------------|---------------------|-------------------|---------------|
| 19-06-2020 | Dr. Prashant Marla | Dr. Roshan Shetty | AJ Mangalore |
| 20-06-2020 | Dr. Nagaraj | Dr. Tarun Javali | MSR Bangalore |

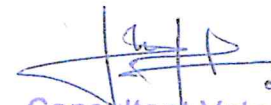
The schedules were as follows

| Animal no. | Date | No. of animals used | Body weight | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainer | Remarks |
|------------|------------|---------------------|-------------|------------------------|---------------------------|-----------------------------|---------------------|--|
| NA | 18-06-2020 | NA | NA | 9.00 A.M - 5.30 P.M | NA | NA | NA | Animal procurement and lab work |
| #013 | 19-06-2020 | 1 | 33 | 7.00 A.M -6.30 P.M | 9 hrs 30 min | Live | Anand | Procedure, Animal disposal and Procurement |
| #014 | 20-06-2020 | 1 | 32 | 7.30 A.M -6.30 P.M | 8 hrs 45 min | Live | Anand | Procedure and Animal disposal |


The training program went on smoothly and at the end of each procedure or wet lab animals were live and were sacrificed.

ATTESTED


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 Yenepoya (Deemed to be University)
 University Road, Deralakatte
 Mangalore-575018, Karnataka

 27/6/2020
Consultant Veterinary Surgeon
 Advanced Surgical Skill Enhancement Division (ASSEND)
 Yenepoya (Deemed to be University)
 University Road, Deralakatte
 Mangalore-575018

NA – Not applicable


Vice Chancellor
 Yenepoya (Deemed to be University)

Weekly report on training program from 01/03/20 to 07/03/20 at ASSEND

Surgeon training in Laparoscopic surgery from department of urology was organized on 6th march. Surgeons from Shimogga Institute of medical sciences and ESI hospital Bangalore attended the program. Dr. Mujeeb was the trainer.

Following are the surgeons, who attended the training program

Dr. Thejas

Dr. Dhananjaya Kumar


We used 1 live Female Porcines for the training, which was live throughout the procedures.


The schedules were as follows

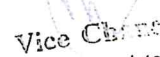
| Animal no. | Date | No. of animals used | Body weight (kgs) | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainer | Remarks |
|------------|----------|---------------------|-------------------|----------------------|---------------------------|-----------------------------|---------------------|----------------------------|
| NA | 05-03-20 | NA | NA | 9 A.M – 6.00 P.M | NA | NA | NA | Animal procurement |
| 1 | 06-03-20 | 1 | 24 | 7.30 A.M - 5.45 P.M | 10 hr. 15 min | Live | Dr. Mujeeb | Procedure, Animal disposal |

At the end of the procedure animal was euthanized.

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7/3/2020
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Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018


Vice Chancellor
Yenepoya (Deemed to be University)
NA - Not applicable

ASSEND Programs till date (31/1/2020)

| Sl. No. | Date | No. of animals used | Purpose |
|---------|------------|---------------------|---------------------|
| 1. | 23-04-2019 | 1 | University |
| 2. | 24-04-2019 | 1 | University |
| 3. | 25-04-2019 | 1 | University |
| 4. | 09-05-2019 | 1 | University |
| 5. | 12-06-2019 | 3 | Verwandeln |
| 6. | 13-06-2019 | 3 | Verwandeln |
| 7. | 25-09-2019 | 2 | Verwandeln |
| 8. | 26-09-2019 | 2 | Verwandeln |
| 9. | 22-10-2019 | 1 | Intuitive surgicals |
| 10. | 23-10-2019 | 1 | Intuitive surgicals |
| 11. | 24-10-2019 | 1 | Intuitive surgicals |
| 12. | 30-10-2019 | 1 | Intuitive surgicals |
| 13. | 01-11-2019 | 1 | Intuitive surgicals |
| 14. | 11-11-2019 | 1 | Intuitive surgicals |
| 15. | 11-12-2019 | 1 | Intuitive surgicals |
| 16. | 19-12-2019 | 1 | Intuitive surgicals |
| 17. | 20-12-2019 | 1 | Intuitive surgicals |
| 18. | 24-12-2019 | 1 | Intuitive surgicals |
| 19. | 26-12-2019 | 1 | Intuitive surgicals |
| 20. | 28-12-2019 | 1 | Intuitive surgicals |
| 21. | 22-01-2020 | 2 | Verwandeln |
| 22. | 23-01-2020 | 2 | Verwandeln |
| 23. | 24-01-2020 | 1 | Aster group |
| 24. | 28-01-2020 | 1 | University |

Summary

| Sl. No. | Particulars | Counts |
|---------|-----------------------------|--------|
| 1. | University programs | 5 |
| 2. | Verwandeln programs | 6 |
| 3. | Intuitive surgicals program | 12 |
| 4. | Aster groups | 1 |
| 5. | Total programs conducted | 24 |
| 6. | Total animals used | 32 |

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Dr. Gangadhara Somayaji K.S.
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University Road, Deraiakatte
Mangalore-575018, Karnataka

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[Signature]

31/1/2020

Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deraiakatte
Mangalore-575018

Weekly report on training program from 18/01/20 to 25/01/20 at ASSEND


Dr. Paula planned to visit our centre, in order to utilize the animal judiciously and ethically, a training program under dept. of general surgery was organized by our Vice Chancellor. 4 PGs were given hands on training with live animal under Dr. Ryan and Dr. Ahris. Animal was live throughout the procedures and later I did some advanced procedures with respect to the animal in terms of medical emergencies. Finally euthanized and did necropsy.

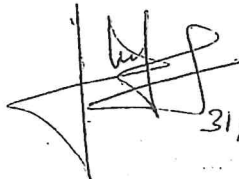
PG's attended from Department of general surgery

1. Dr. Lamia Inayath
2. Dr. Divya S.
3. Dr. Vidya M Saravagol
4. Dr. Basavaraja H.R

| Animal no. | Date | No. of animals used | Body weight (kgs) | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainer | Remarks |
|------------|----------|---------------------|-------------------|----------------------|---------------------------|-----------------------------|--------------------------------|--|
| NA | 27-01-20 | NA | NA | 9 A.M - 6.00 P.M | NA | NA | NA | Animal procurement |
| 1 | 28-01-20 | 1 | 29 | 7.15 A.M - 6 P.M | 6 hrs | Live | Dr. Paula, Dr. Ahris, Dr. Ryan | Procedure, Animal disposal and procurement |

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University Road, Deralakatte
Mangalore-575 018, Karnataka


31/1/2020

NA - Not applicable



Weekly report on training program from 18/01/20 to 25/01/20 at ASSEND

Surgeon training in collaboration with Verwandeln institute, Kochi was conducted on 22nd and 23rd of January 2020 under the Guidance of Dr. Padmakumar. The Verwandeln team consisting of Dr. Padmakumar (trainer), Dr. Madhukar Pai (trainer), Mrs. Premna (Manager) were here at our division during the training.

We used two live Female Porcines for the training, which was live throughout the procedures on both the days and sent back.


The schedules were as follows

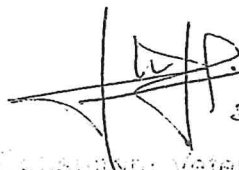
| Animal no. | Date | No. of animals used | Body weight (kgs) | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainer | Remarks |
|------------|----------|---------------------|-------------------|----------------------|---------------------------|-----------------------------|---|--|
| NA | 21-01-20 | NA | NA | 9 A.M – 6.30 P.M | NA | NA | NA | Animal procurement |
| 1 A,B | 22-01-20 | 2 | A – 22 B – 28 | 9.00 A.M - 7.30 P.M | 8 hrs | Live | Dr. Padmakumar Dr. Pai | Procedure, Animal disposal and procurement |
| 2 C,D | 23-01-20 | 2 | C – 24 D – 28 | 9.00 A.M - 7.30 P.M | 8 hrs | Live | Dr. Padmakumar Dr. Pai | Procedure, Animal disposal and procurement |
| 3 | 24-01-20 | 1 | 30 | 7.45 A.M – 7.30 P.M | 11 hrs | Live | Dr. Rajeev, Dr. Rohan, Dr. Devishetty | Procedure and Animal disposal |

On 24th January a liver transplantation was done by team consisting of Dr. Rajeev Lochan and Dr. Rohan Shetty as major surgeons in transplantation, Dr. Suprith Surya as anaesthetist, Dr. Devishetty as vascular surgeon, Dr. Ruthik Bansal as assistant surgeon, Dr. Rohan Thomas (videographic documentation), Dr. Nancy (Co-ordination), Mr. Yogish and Mr. Sathish as OT technicians, Mr. Kiran as animal handler and Mrs. Vanitha for housekeeping.

Program went on well and animal was live throughout the procedure and at the end it was euthanized.

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Mangalore-575 018, Karnataka


31/1/2020
Consultant Veterinary Surgeon
Mangalore Veterinary Hospital, Veterinary Division (651270)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

NA – Not applicable

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Weekly report on robotic assisted training program from 22/12/19 to 28/12/19
at ASSEND

Robotic assisted surgery training at our ASSEND is in good phase. The intuitive team consisting of Mr. Anand (trainer), Mr. Yasar (CSE) and Mr. Gagandeep (CSE) were present at our division during the training.


We used live Female Porcine for every surgeon training, which was live throughout the procedures and at the end it was sacrificed as the protocol followed*.

Surgeons who attended the training program are as follows

| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|------------|---------------------|-------------------|--|
| 24-12-2019 | Dr. Gaurav Aggarwal | - | Tata Medical Centre, Kolkatta |
| 26-12-2019 | Dr. Vijay Bhaskar | - | Meenakshi, Madhurai |
| 28-12-2019 | Dr. Prema Menon | - | Chandigarh PG Ins. of Med. Edu. & Res. |

The schedules were as follows

| Animal no. | Date | No. of animals used | Body weight (kgs) | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainee | Remarks |
|------------|-----------|---------------------|-------------------|----------------------|-------------------------------|-----------------------------|---------------------|-----------------------------------|
| NA | 23-12-19 | NA | NA | 9 A.M – 5.45 P.M | NA | NA | NA | Animal procurement |
| #010 | 24-12-19 | 1 | 39 | 7.00 A.M - 7.00 P.M | 9 hrs | Live | Anand | Procedure and Animal disposal |
| NA | 25-12-19 | NA | NA | 12.30 P.M – 2.30 P.M | NA | NA | NA | Animal Procurement, sterilization |
| #011 | 26-12-19 | 1 | 36 | 7.15 A.M – 6.00 P.M | 8hr 45min | Live | Anand | Procedure and Animal disposal |
| NA | 27-12-19 | NA | NA | 9 A.M – 6.15 P.M | NA | NA | NA | Animal Procurement |
| #012 | *28-12-19 | 1 | *40 40 | 7.15 A.M – 8.00 P.M | *5 hrs 30 min 3 hrs 15 min | *Dead Live | Anand | Procedure and animal disposal |


Consultant Veterinary Surgeon
 Advanced Surgical Skill Enhancement Division (ASSEND)
 Yenepoya (Deemed to be University)
 University Road, Deralakatte
 Mangalore-575018

ATTESTED

Dr. Gangadhara Somayaji K.S.
 Registrar
 Yenepoya (Deemed to be University)
 University Road, Deralakatte
 Mangalore-575 018, Karnataka

NA – Not applicable

With respect to the intuitive training, the program went on smoothly. Got good opinion with respect to establishment and current maintenance of our ASSEND in terms of hygiene, ancillaries, our team co-ordination.

*Brief note on procedures done on 28-12-2019


When the port was placed and inserted camera after insufflation we found the bulged bowels which were filled with gas. Procedure started and we noticed some unusual changes in its respiration. We tried to manage it with ventilation and other necessary procedures. Later on there were sudden drops in oxygen saturation level. And performed tracheostomy on emergency basis in between 1.15 – 1.30. Around 2.00 to 2.15 the monitor started displaying erratic readings with respect to EtCO₂ and other parameters were flat graph. Whereas pulseoximeter was showing the oxygen saturation level and the heart rate. We did CPR. But nothing worked for our side. They requested for another animal as there were still many exercises to be done with respect to vessels. Animal was provided.


While performing tracheostomy cellulitis was noticed, sloughed out tissue noticed.

Cause for the death may be due to the Stress ?

Differential diagnosis – Airway obstruction?

ATTESTED


Dr. Gangadhara Somayaji K.S.
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University Road, Deralakatte
Mangalore-575 018, Karnataka

 30/12/19
Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

NA – Not applicable

Weekly report on robotic assisted training program from 15/12/19 to 21/12/19
at ASSEND

Surgeon training using Robotic assisted surgery training at our ASSEND is gaining a steady phase. The intuitive team consisting of Mr. Anand (trainer), Mr. Santhosh (CSE) were here at our division during the training.

We used one live Female Porcines for the training, which was live throughout the procedures and at the end, it was sacrificed as the protocol followed.

Surgeons who attended the training program are as follows

| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|----------|---------------------|-------------------|-----------------------------------|
| 19-12-19 | Dr.Srikanth | - | Yashoda Hospital, Secunderabad |
| 20-12-19 | Dr. Ganesh Gorthi | - | Mahatma Gandhi, Vizag |

The schedules were as follows


| Animal no. | Date | No. of animals used | Body weight (kgs) | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainee | Remarks |
|------------|----------|---------------------|-------------------|------------------------|---------------------------|-----------------------------|---------------------|---|
| NA | 18-12-19 | NA | NA | 9 A.M – 6 P.M | NA | NA | NA | Animal procurement |
| #008 | 19-12-19 | 1 | 42 | 7.00 A.M - 6.30 P.M | 9.15 hrs | Live | Anand | Procedure, Animal disposal and procurement |
| #009 | 20-12-19 | 1 | 36 | 7.15 A.M – 6 P.M | 8.10 hrs | Live | Anand | Procedure and Animal disposal |

With respect to the intuitive training, the program went on smoothly and at the end of procedure or wet lab animal was live and was sacrificed. Got good opinion with respect to establishment and current maintenance of our ASSEND in terms of hygiene, ancillaries, our team co-ordination.

ATTESTED


Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka

NA – Not applicable


Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

Weekly report on robotic assisted training program from 15/12/19 to 21/12/19
at ASSEND

Surgeon training using Robotic assisted surgery training at our ASSEND is gaining a steady phase. The intuitive team consisting of Mr. Anand (trainer), Mr. Santhosh (CSE) were here at our division during the training.

We used one live Female Porcines for the training, which was live throughout the procedures and at the end it was sacrificed as the protocol followed.

Surgeons who attended the training program are as follows

| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|----------|---------------------|-------------------|-----------------------------------|
| 19-12-19 | Dr.Srikanth | - | Yashoda Hospital, Secunderabad |
| 20-12-19 | Dr. Ganesh Gorthi | - | Mahatma Gandhi, Vizag |

The schedules were as follows

| Animal no. | Date | No. of animals used | Body weight (kgs) | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainee | Remarks |
|------------|----------|---------------------|-------------------|----------------------|------------------------------|-----------------------------|---------------------|--|
| NA | 18-12-19 | NA | NA | 9 A.M – 6 P.M | NA | NA | NA | Animal procurement |
| #008 | 19-12-19 | 1 | 42 | 7.00 A.M - 6.30 P.M | 11.30 hrs 9.15 | Live | Anand | Procedure, Animal disposal and procurement |
| #009 | 20-12-19 | 1 | 36 | 7.15 A.M – 6 P.M | 10.45 hrs 8.10 | Live | Anand | Procedure and Animal disposal |

With respect to the intuitive training, the program went on smoothly and at the end of procedure or wet lab animal was live and was sacrificed. Got good opinion with respect to establishment and current maintenance of our ASSEND in terms of hygiene, ancillaries, our team co-ordination.

ATTESTED


Dr.Gangadhara Somayaji K.S.
Registrar
Yenepoya(Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka

NA – Not applicable

Weekly report on robotic assisted training program from 08/12/19 to 14/12/19
at ASSEND

Surgeon training using Robotic assisted surgery training launched at our ASSEND slowly moving towards the steady state. The intuitive team consisting of Mr. Anand (trainer), Mr. Alex (CSE) were present at our division during the training.

We used one live Female Porcines for the training, which was live throughout the procedures and at the end, it was sacrificed as the protocol followed.

Surgeons who attended the training program are as follows

| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|----------|---------------------|-------------------|---------------|
| 11-12-19 | Dr. Rajesh | - | Gem , Chennai |


The schedules were as follows

| Animal no. | Date | No. of animals used | Body weight (kgs) | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainee | Remarks |
|------------|----------|---------------------|-------------------|----------------------|---------------------------|-----------------------------|---------------------|---|
| NA | 10-12-19 | NA | NA | 9 A.M – 6 P.M | NA | NA | NA | Simulator exercise for surgeon and Animal procurement |
| #007 | 11-12-19 | 1 | 42 | 7.00 A.M - 7.00 P.M | 9 hrs | Live | Anand | Animal disposal |

With respect to the intuitive training, the program went on smoothly and at the end of procedure or wet lab animal was live and was sacrificed. Got good opinion with respect to establishment and current maintenance of our ASSEND in terms of hygiene, ancillaries, our team co-ordination.

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka


Dr. Alex
Advanced Surgical Skills Center (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018

xe M

NA – Not applicable

Weekly report on robotic assisted training program from 08/12/19 to 14/12/19 at ASSEND

First surgeon training using Robotic assisted surgery training launched this week at our ASSEND. The intuitive team consisting of Mr. Anand (trainer), Mr. Alex (CSE) were present at our division during the training.

We used one live Female Porcines for the training, which was live throughout the procedures and at the end it was sacrificed as the protocol followed.

Surgeons who attended the training program are as follows


| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|----------|---------------------|-------------------|---------------|
| 11-12-19 | Dr. Rajesh | - | Gem , Chennai |

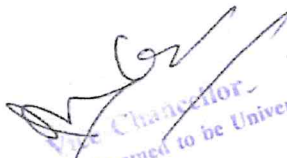
The schedules were as follows


| Animal no. | Date | No. of animals used | Body weight | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainee | Remarks |
|------------|----------|---------------------|-------------|----------------------|---------------------------|-----------------------------|---------------------|---|
| NA | 10-12-19 | - | - | 9 A.M - 6 P.M | - | - | - | Simulator exercise for surgeon and Animal procurement |
| #007 | 11-12-19 | 1 | 42 | 7.00 A.M - 7.00 P.M | 9 hrs | Live | Anand | Animal disposal |

With respect to the intuitive training, the program went on smoothly and at the end of procedure or wet lab animal was live and was sacrificed. Got good opinion with respect to establishment and current maintenance of our ASSEND in terms of hygiene, ancillaries, our team co-ordination.

ATTESTED


Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore- 575 018, Karnataka


The Chancellor
Yenepoya (Deemed to be University)


Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

To,

The Finance Officer,
Yenepoya, Deemed to be University
Deralakatte, Mangalore
575018

From,

Dr. Suprith Surya
Consultant Veterinary Surgeon
ASSEND
Yenepoya, Deemed to be University
Deralakatte, Mangalore
575018

Dear Sir,

Subject : Raising of invoice for the following records.

As mentioned in the above subject our ASSEND started fully functional and the robotic surgery training programs in collaboration with the Intuitive surgical private limited has started. I hereby request you to raise the invoice, as the payment is done by the intuitive against the invoice. Below is the amount to be paid by the Intuitive surgical private limited as per the agreement. Kindly do the needful.

| Sl. No. | Date | Form of training | Kind of lab | amount | remarks |
|---------|----------|--------------------|-------------|----------------|---------|
| 1. | 21/10/19 | Trainers' training | Dry lab | 17,500/- INR | - |
| 2. | 22/10/19 | Trainers' training | Wet lab | 42,000/- INR | - |
| 3. | 23/10/19 | Trainers' training | Wet lab | 42,000/- INR | - |
| 4. | 24/10/19 | Trainers' training | Wet lab | 42,000/- INR | - |
| 5. | 25/10/19 | Trainers' training | Dry lab | 17,500/- INR | - |
| 6. | 30/10/19 | Surgeon training | Wet lab | 1,05,000/- INR | - |
| 7. | 01/11/19 | Surgeon training | Wet lab | 1,05,000/- INR | - |
| 8. | 11/11/19 | Surgeon training | Wet lab | 1,05,000/- INR | - |

Enclosed the page 1 of the agreement copy.


Thank You

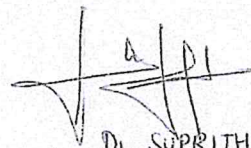
Place : Yenepoya

Date : 14/11/19

ATTESTED

Dr. Gangadhara Somayaji K.S.
Registrar
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575 018, Karnataka


14/11/2019
Suprith Surya



Dr. SUPRITH SURYA
Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

Weekly report on robotic assisted training program from 10/11/19 to 16/11/19 at ASSEND

First surgeon training using Robotic^S assisted surgery training launched this week at our ASSEND. The intuitive team consisting of Mr. Anand (trainer), Mr. Sharad (CSE).

Mr. Sathish Poojari and Mr. Santhosh Nayaka were made available during the procedure as OT technical staffs in the absence of Mr. Yogish.

We used one live Female Porcines for the training, which was live throughout the procedures and at the end they were sacrificed as the protocol followed.

Surgeons who attended the training program are as follows

| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|----------|-----------------------|-------------------|----------|
| 11-11-19 | Dr. Sujeet Kumar Saha | ----- | Medanta |

The schedules were as follows


| Animal no. | Date | No. of animals used | Body weight | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainee | Remarks |
|------------|----------|---------------------|-------------|----------------------|---------------------------|-----------------------------|---------------------|---------------------------------|
| NA | 10-11-19 | - | - | 3.40 P.M - 4.45 P.M | - | - | - | Animal procurement and lab work |
| #006 | 11-11-19 | 1 | 36 | 7.00 A.M - 6.30 P.M | 8 hrs 45 min | Live | Anand | Animal disposal |

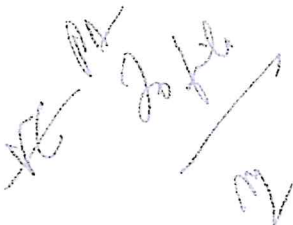
NA - not applicable

The training program went on smoothly and at the end of each procedure or wet lab animals were live and were sacrificed.

ATTESTED

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Mangalore-575 018, Karnataka


Dr. SUPRITH SURYA
Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018



Cost involved for the procurement of animal.

Date of supply: 10th Nov 2019

Total number of animals supplied: 2

Total number of animals utilized: 1

Price of the animal upto 20 kgs: Rs 5500

Cost per Kg of animal exceeding 20 kgs: Rs 220

Weight of the supplied animals:

36 kgs

Cost of 1 animal = 5500 + 3520

= Rs. 9020/-


Transportation charges = 500 X 2

= Rs. 1000/-

Disposal charges = Rs 500/-

Total animal cost involved = Rs. 10520/-

ATTESTED


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**Weekly report on robotic assisted training program from 27/10/19 to 02/11/19 at
ASSEND**

First surgeon training using Robotic assisted surgery training launched this week at our ASSEND. The intuitive team consisting of Mr. Anand (trainer), Mr. Nizam (CSE), Mr. Sathish, Mr. Murugan, Ms. Noor (CSA) were present at our division during the training.

We used two live Female Porcines for the training, which were live throughout the procedures and at the end they were sacrificed as the protocol followed.

Surgeons who attended the training program are as follows

| Date | Name of the Surgeon | Assistant surgeon | Hospital |
|----------|---------------------|-------------------|---------------|
| 30-10-19 | Dr. Shafalika | - | Columbia Asia |
| 01-11-19 | Dr. Sathish | Dr. Veeresh | Columbia Asia |


The schedules were as follows

| Animal no. | Date | No. of animals used | Body weight | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainee | Remarks |
|------------|----------|---------------------|-------------|----------------------|---------------------------|-----------------------------|---------------------|--------------------|
| NA | 29-10-19 | - | - | 9 A.M – 6 P.M | - | - | - | Animal procurement |
| #004 | 30-10-19 | 1 | 42 | 7.00 A.M - 8.30 P.M | 6 hrs | Live | Anand | Animal disposal |
| NA | 31-10-19 | - | - | 9 A.M – 6 P.M | - | - | - | Animal procurement |
| #005 | 01-11-19 | 1 | 36 | 7.15 A.M - 6.45 P.M | 8 hrs 45 min | Live | Anand | Animal disposal |


During the program on 1-11-19 Mr. Yogesh (OT technician) was not well since morning and advised him to take rest and meanwhile he got his check up and blood tests done. Test revealed Dengue positive. He was permitted to take off in the post noon. Later he got admitted for the treatment.

With respect to the intuitive training the program went on smoothly and at the end of each procedure or wet lab animals were live and were sacrificed.

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Vice-Chancellor
Yenepoya (Deemed to be University)


7/11/19
Consultant Veterinary Surgeon
Advanced Surgical Skill Enhancement Division (ASSEND)
Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018

Cost involved for the procurement of animal.

Date of supply : 29th oct, and 31st oct

Total number of animals supplied : 2

Total number of animals utilized : 2

Price of the animal upto 20 kgs : Rs 5500

Cost per Kg of animal exceeding 20 kgs : Rs 220

Weight of the supplied animals:

36 kgs
42 kgs.

Cost of 2 animals = (2 x 5500) + 8360/-

= Rs.19360 /-

Transportation charges = 3 X 500

= Rs. 1500/-

Disposal charges = 2 X 500

= Rs. 1000/-

Total animal cost involved = Rs. 21860/-

Approximate cost per animal = Rs.10930 /-

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for the file

7/11/19

Consultant Veterinary Surgeon
Advanced Surgical Skin Enhancement Division (ASSEND)
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Weekly report on robotic assisted training program from 20/10/19 to 26/10/19
at ASSEND

Our ASSEND started its first Robotic assisted surgery trainings. This week the training for the intuitive trainers was given. The Intuitive team consisted of Dr. Paula Ezell, Mr. Sathish, Mr. Anand and Mr. Murugan were at our centre. For this week we ran two dry labs and three wet labs for the trainers during the training session.


We used three live Female Porcines for the training, which were live throughout the procedures and at the end they were sacrificed as the protocol followed.


The schedules were as follows

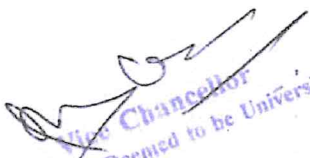
| Animal no. | Date | No. of animals used | Body weight | ASSEND Working hours | Duration under anesthesia | Animal status after surgery | Name of the trainee | Name of the institute/hospital |
|------------|----------|---------------------|-------------|----------------------|---------------------------|-----------------------------|---------------------|--------------------------------|
| Dry run | 21-10-19 | NA | NA | 8 A.M – 6.30 P.M | NA | NA | Murugan | Intuitive Surgicals |
| #001 | 22-10-19 | 1 | 43 | 7.15A.M - 8.30 P.M | 10 hrs | Live | Murugan | Intuitive Surgicals |
| #002 | 23-10-19 | 1 | 46 | 7.15 A.M - 6.45 P.M | 8 hrs 30 min | Live | Murugan | Intuitive Surgicals |
| #003 | 24-10-19 | 1 | 50 | 7.15 A.M – 5 P.M | 7 hrs 15 min | Live | Murugan | Intuitive Surgicals |
| Dry run | 25-10-19 | NA | NA | 8.45 A.M – 5 P.M | NA | NA | Murugan | Intuitive Surgicals |

All the programs went on smoothly and at the end of each live procedure or wet lab animals were sacrificed.

ATTESTED


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7/11/19
Consultant Veterinary Surgeon
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Yenepoya (Deemed to be University)
University Road, Deralakatte
Mangalore-575018


Vice-Chancellor
Yenepoya (Deemed to be University)

Cost involved for the procurement of animal.

Date of supply : 21st oct, and 23rd oct

Total number of animals supplied : 3

Total number of animals utilized : 3

Price of the animal upto 20 kgs : Rs 5500

Cost per Kg of animal exceeding 20 kgs : Rs 220

Weight of the supplied animals:

43 kgs

46 kgs

50 kgs

Cost of 3 animals = $(3 \times 5500) + 17380$

= Rs. 33880/-

Transportation charges = 4×500

= Rs. 2000/-


Disposal charges = 3×500

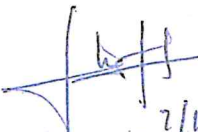
= Rs. 1500/-

Total animal cost involved = Rs. 37380/-

Approximate cost per animal = **Rs. 12460/- (rounded to Rs. 12500/-)**

ATTESTED


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2/11/19
Consultant Veterinary Surgeon
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Yenepoya (Deemed to be University)
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**List of major Equipment Advanced
Surgical Skills Enhancement
Division(ASSEND)**

ATTESTED



**Dr. Gangadhara Somayaji K.S.
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YENEPOYA


(DEEMED TO BE UNIVERSITY)

Recognised under Sec. 3(A) of the UGC Act 1956
Accredited by NAAC with 'A' Grade

LIST OF MAJOR EQUIPMENTS IN ASSEND YU

| Sl. No | Name of equipment | Make & model | Serial no. | Quantity | Year of purchase |
|--------|---|---------------------------|--------------------------------------|----------|--------------------------|
| 1. | Cautery machine | MEDTRONICS, FORCETRIAD | T6E47958EX | 01 | 23.01.2019 |
| 2. | Anesthesia workstation with Isoflurane vaporizer and ventilator | ALLIED, JUPITER 500 | 1902J5101, PISC170855145 | 01 | 22.03.2019 |
| 3. | OT table | TECHNOMED, TMI 1203 | ABB8103Y | 01 | 18.03.2019 |
| 4. | Insufflator | STRYKER | ---- | 01 | 14.02.2019 |
| 5. | Infusion Pump | GRASEBY 1200 | ---- | 02 | 11.04.2019 |
| 6. | Cautery machine | CAUDRA, EPSILON 400 VI | 061902, 061903, 061904 ---- | 03 01 | 08.06.2019 10.06.2019 |
| 7. | Microscope table stand | OPTOFINE, | ---- | 01 | 09.01.2020 |
| 8. | Hydraulic trolley | FORCE, ACTUATOR | ---- | 01 | 29.11.2019 |
| 9. | Patient warmer | SMITH MEDICAL, EQ 5000 | 003084 | 01 | 21.10.2019 |
| 10. | Anesthesia ventilator | ALVEO, VENT AV-1000 | 10000170, 10000171, 10000154 | 03 | 08.06.2019 |
| 11. | Basic anesthesia machine and | MEDITECH, LIFE-LINE | ---- 100519540, | 02 03 | 29.04.2019 20.05.2019 |

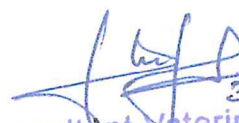

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Mangalore-575018, Karnataka

| | | | | | |
|-----|----------------------------|----------------------------|-------------------------|----------------|--|
| | apparatus (Boyles) | | 100519541, 100519542 | | |
| 12. | Portable blood analyzer | ABBOTT, I-STAT 300 | 323788 | 01 | 17.04.2019 |
| 13. | LCD Monitor Laparoscopy | VISION ELECT STRYKER | ---- | 02 02 | 11.05.2019 |
| 14. | LED mobile light | LUX OMEGA, TECHNOMED | ---- | 05 | 10.06.2019 |
| 15. | Laparoscopy unit | STRYKER, 1187 | 07L049624, 08H019794 | 02 02 | 19.04.2019 |
| 16. | OT Table | Techno med | ---- | 05 | 2019 |
| 17. | Patient monitor (Para) | Techno care med systems | ---- | 05 | 25.04.2019 10.06.2019 |
| 18. | Camera HD 3 chip | STRYKER 1188 | ---- | 01 02 02 | 11.04.2019 20.04.2019 11.05.2019 |
| 19. | Multi-parameter monitor | BPL, ULTIMA PRIME | ---- | 01 | 03.05.2019 |

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 31/12/2020
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 Mangalore-575018

**List of programmes conducted at Advanced
Surgical Skills Enhancement
Division(ASSEND)**

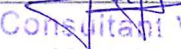
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ASSEND PROGRAMS from 2019 – June 2021


| Sl. No. | Date | Title of the program | Agency seeking training/Institute | Name of the Trainers | Name of the Trainees | Number of Trainees |
|---------|------------|-------------------------------|-----------------------------------|-------------------------------------|--|--------------------|
| 1. | 23-04-2019 | Laparoscopic surgery training | University (VC) | Vice Chancellor Dr Vijayakumar M | YMC | - |
| 2. | 24-04-2019 | Laparoscopic surgery training | University (Oncology, GS) | Dr Sanjay Dr Mujeeburahiman | YMC | 03 |
| 3. | 25-04-2019 | Laparoscopic surgery training | University (Urology, GS) | Dr Altaf Dr Sanjay | YMC | 03 |
| 4. | 09-05-2019 | Laparoscopic surgery training | University (Oncology, Gynecology) | Dr Rohan Shetty Dr Amar | YMC | 03 |
| 5. | 12-06-2019 | Laparoscopic surgery training | Verwandeln, Cochin | Dr Padmakumar Dr Madhukar Pai | Dr Yaswanth Tummala Dr Aravind Balakrishnan Dr Sandeep Gupta Dr Ahrish Dr Pushpendra Jain Dr Sudhesh P N Dr Davneet Singh Dr Shivani Davneet Dr Geetha Karbeet R Pai Dr Mohanan P K Dr Meenal Gupta | 11 |
| 6. | 13-06-2019 | Laparoscopic surgery training | Verwandeln, Cochin | Dr Padmakumar Dr Madhukar Pai | Dr Yaswanth Tummala | 11 |


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 Mangalore-575 018, Karnataka

| | | | | | | |
|----|------------|----------------------------------|--------------------|----------------------------------|--|----|
| | | | | | Dr Aravind Balakrishnan Dr Sandeep Gupta Dr Ahrish Dr Pushpendra Jain Dr Sudhesh P N Dr Davneet Singh Dr Shivani Davneet Dr Geetha Karbeet R Pai Dr Mohanan P K Dr Meenal Gupta | |
| 7. | 25-09-2019 | Laparoscopic surgery training | Verwandeln, Cochin | Dr Padmakumar Dr Madhukar Pai | Dr. Suresh Kumar A Dr. Ravindran K O Dr. Vasantha Ragavan A Dr. Ryan Denis Fernandes Dr. Kevin J Chiramel Dr. Ankur Kishore Agarwal Dr. Moka Jagan Mohan Dr. Pankaj Khurana Dr. Saurabh | 11 |


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| | | | | | | |
|-----|------------|----------------------------------|---------------------|----------------------------------|--|----|
| | | | | | Pengoria Dr. Tony Mathew Dr. Sharvani Kanakraddi | |
| 8. | 26-09-2019 | Laparoscopic surgery training | Verwandeln, Cochin | Dr Padmakumar Dr Madhukar Pai | Dr. Suresh Kumar A Dr. Ravindran K O Dr. Vasantha Ragavan A Dr. Ryan Denis Fernandes Dr. Kevin J Chiramel Dr. Ankur Kishore Agarwal Dr. Moka Jagan Mohan Dr. Pankaj Khurana Dr. Saurabh Pengoria Dr. Tony Mathew Dr. Sharvani Kanakraddi | 11 |
| 9. | 22-10-2019 | Robotic surgery training | Intuitive surgical | Mr Anand | Mr Murugan | 1 |
| 10. | 23-10-2019 | Robotic surgery training | Intuitive surgicals | Mr Anand | Mr Murugan | 1 |
| 11. | 24-10-2019 | Robotic surgery training | Intuitive surgicals | Mr Anand | Mr Murugan | 1 |
| 12. | 30-10-2019 | Robotic surgery | Intuitive surgical | Mr Anand | Dr Shafalika | 1 |


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 Jayaji K.S.
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| | | | | | | |
|-----|------------|-------------------------------|--|----------------------------------|--|----|
| | | training | Columbia Asia, BNG | | | |
| 13. | 01-11-2019 | Robotic surgery training | Intuitive surgicals Columbia Asia, BNG | Mr Anand | Dr Satish Dr Veeresh | 2 |
| 14. | 11-11-2019 | Robotic surgery training | Intuitive surgical Medanta Hospital, DHL | Mr Anand | Dr Sujeeth | 1 |
| 15. | 11-12-2019 | Robotic surgery training | Intuitive surgical Gem Hospital, CHN | Mr Anand | Dr Rajesh | 1 |
| 16. | 19-12-2019 | Robotic surgery training | Intuitive surgical Yashodha Hospital, SCB | Mr Anand | Dr Srikanth | 01 |
| 17. | 20-12-2019 | Robotic surgery training | Intuitive surgical MG Hospital, VZG | Mr Anand | Dr Ganesh | 01 |
| 18. | 24-12-2019 | Robotic surgery training | Intuitive surgical TATA Hospital, KK | Mr Anand | Dr Gaurav | 01 |
| 19. | 26-12-2019 | Robotic surgery training | Intuitive surgical Meenakshi Hospital, MDR | Mr Anand | Dr Vijay B | 01 |
| 20. | 28-12-2019 | Robotic surgery training | Intuitive surgical PGIMER, CDG | Mr Anand | Dr Prema | 01 |
| 21. | 22-01-2020 | Laparoscopic surgery training | Verwandeln | Dr Padmakumar Dr Madhukar Pai | Dr Thameem Ansari S Dr Deepak M Dr Venkata Pavan Kumar K Dr Natasha Mathias Dr. Balaji P Dr Ravi Varma K Dr Santhosh R | 08 |


Consultant Veterinary Surgeon
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| | | | | | | |
|-----|------------|----------------------------------|--|---|---|----|
| | | | | | Dr M.P Udayaravi | |
| 22. | 23-01-2020 | Laparoscopic surgery training | Verwandeln | Dr Padmakumar Dr Madhukar Pai | Dr Thameem Ansari S Dr Deepak M Dr Venkata Pavan Kumar K Dr Natasha Mathias Dr. Balaji P Dr Ravi Varma K Dr Santhosh R Dr M.P Udayaravi | 08 |
| 23. | 24-01-2020 | Laparoscopic surgery training | Aster group | Dr Rajeev Dr Rohan Shetty Dr Deviprasad | - | - |
| 24. | 28-01-2020 | Laparoscopic surgery training | University (G S) | Dr Ryan Dr Ahris | Dr Divya Dr Vidya Dr Basavaraj Dr Lamia I | 04 |
| 25. | 13-02-2020 | Laparoscopic surgery training | University (Plastic surgery) | Dr Deviprasad Dr Pradeep | - | - |
| 26. | 06-03-2020 | Laparoscopic surgery training | Reddy's | Dr Mujeeburahiman Dr Vinit | Dr Dananjaya Dr Tejas Dr Jeevan | 03 |
| 27. | 19-03-2020 | Laparoscopic surgery training | University (Urology) | Dr Mujeeburahiman Dr Altaf Dr Nishtith | - | - |
| 28. | 19-06-2020 | Robotic surgery training | Intuitive surgical AJ Hospital, MGL | Mr Anand | Dr Prashanth M Dr Roshan Shetty | 02 |
| 29. | 20-06-2020 | Robotic surgery training | Intuitive surgical MSR BNG | Mr Anand | Dr Nagaraj Dr Javali | 02 |
| 30. | 22-06-2020 | Robotic surgery | Intuitive surgical | Mr Anand | Dr Alva | 02 |



Consultant Veterinary Surgeon
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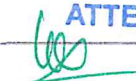
| | | | | | | |
|-----|------------|-------------------------------|--------------------------------|--|---|----|
| | | training | AJ Hospital, MGL | | Dr Rohan Shetty | |
| 31. | 28-09-2020 | Laparoscopic surgery training | University (General Surgery) | Dr Harishchandra Dr Vivek Dr Ahris | Dr Austin Dr Gautam Dr Fahed Dr Sathvik | 04 |
| 32. | 29-09-2020 | Laparoscopic surgery training | University (Urology, Oncology) | Dr Mujeeburahiman Dr Altaf Dr Rohan Shetty Dr Nishith | Dr Raghu Dr Jeevan Dr Divya Dr Rithik Dr Hussain Dr Amar | 05 |
| 33. | 30-09-2020 | Laparoscopic surgery training | University (Urology, Oncology) | Dr Akbar Dr Mujeeburahiman Dr Altaf Dr Anjum | Dr Jeevan Dr Divya Dr Sharik Dr Noor Dr Shabreen | 05 |
| 34. | 27-10-2020 | Laparoscopic surgery training | University (General Surgery) | Dr Harishchandra Dr Vivek Dr Ahris | Dr Chetas Dr Fahed Dr Sathvik Dr Austin | 04 |
| 35. | 29-10-2020 | Laparoscopic surgery training | University (Urology, Oncology) | Dr Akbar Dr Mujeeburahiman Dr Altaf | Dr Jeevan Dr Divya Dr Rithik Dr Amar | 04 |
| 36. | 30-10-2020 | Laparoscopic surgery training | University (Urology, Oncology) | Dr Akbar Dr Mujeeburahiman Dr Altaf | Dr Jeevan Dr Divya Dr Noor Dr Dinesh | 04 |
| 37. | 25-11-2020 | Laparoscopic surgery training | University (General Surgery) | Dr Harishchandra Dr Ahris Dr Poorasaran | Dr Mohd Suleman Dr Mohsin Islam Dr Azfan Jamal Dr Chetas H G | 04 |
| 38. | 26-11-2020 | Laparoscopic | University (Urology, | Dr Anjum | Dr Jeevan | 04 |


Consultant Veterinary Surgeon
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| | | | | | | |
|-----|------------|-------------------------------|--------------------------------------|---|---|----|
| | | surgery training | Oncology) | Dr Mujeeburahiman | Dr Divya Dr Noor Dr Spoorthi | |
| 39. | 27-11-2020 | Laparoscopic surgery training | University (Urology, Oncology) | Dr Mujeeburahiman Dr Akbar | Dr Jeevan Dr Divya Dr Noor Dr Kritika Dr Dinesh | 05 |
| 40. | 25-12-2020 | Laparoscopic surgery training | External (Dept. of Urology) | Dr Mujeeburahiman Dr Altaf | Dr Akash Bande Dr Yogendra | 02 |
| 41. | 30-12-2020 | Laparoscopic surgery training | University (General Surgery) | Dr Harishchandra Dr Vivek Dr Ahris | Dr Mohsin Islam Dr Azfan Jamal Dr Zeeshan Dr Nithin | 04 |
| 42. | 31-12-2020 | Laparoscopic surgery training | University (Urology, Oncology) | Dr Noor | Dr Divya Dr Kritika Dr Dinesh | 03 |
| 43. | 01-01-2021 | Laparoscopic surgery training | University (Urology, Oncology) | Dr Nishith Dr Noor | Dr Divya Dr Rithik Dr Taruni | 03 |
| 44. | 20-01-2021 | Laparoscopic surgery training | University (General Surgery) | Dr Harishchandra B Dr Vivek Dr Vijeth | Dr Gautam Dr Nithin Dr Zeeshan Dr Austin | 04 |
| 45. | 21-01-2021 | Laparoscopic surgery training | University (Urology, Oncology) | Dr Altaf Dr Akbar Dr Nishith | Dr Divya Dr Misbah Dr Naveen Dr Dinesh | 04 |
| 46. | 19-02-2021 | Robotic surgery training | KIMS, Secunderabad | Mr Anand | Dr Nirmala Amber P | 01 |
| 47. | 02-03-2021 | Robotic surgery training | Medanta, New Delhi GEM, Hyderabad | Mr Anand | Dr Kamal S Yadav Dr Pimак Dasgupta | 02 |


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|-----|------------|-------------------------------|---------------------------|--|---|----|
| 48. | 10-03-2021 | Laparoscopic surgery training | Verwandeln | Dr Padmakumar Dr Madhukar Pai Dr Farish Shamsudeen | Dr Lokesh Nayyar Dr G Amarnath Dr Vijeth Rai Dr G Prasanth Dr V Santosh Dr Rajyajyali Malakar Dr Srikar Rao Dr Sabyasachi Parida Dr Anu Antony Varghese | 09 |
| 49. | 11-03-2021 | Laparoscopic surgery training | Verwandeln | Dr Padmakumar Dr Madhukar Pai Dr Farish Shamsudeen | Dr Lokesh Nayyar Dr G Amarnath Dr Vijeth Rai Dr G Prasanth Dr V Santosh Dr Rajyajyali Malakar Dr Srikar Rao Dr Sabyasachi Parida Dr Anu Antony Varghese | 09 |
| 50. | 17-03-2021 | Robotic surgery training | Yenepoya Medical College | Mr Anand | Dr Anjum Dr Noor | 02 |
| 51. | 25-03-2021 | Robotic surgery training | Reliance Hospital, Mumbai | Mr Anand | Dr Sampada Desai | 01 |


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 8/11/21