



**RAMAIAH**  
Medical College

## Department of Emergency Medicine

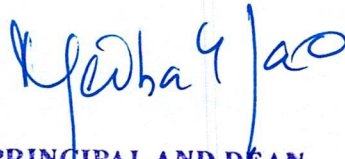
### Value added course for the year Aug 2021 to July 2022

#### BLS Courses Content

Sl. No	Date	Participants	Total	Venue
1.	28 <sup>th</sup> Jul, 2021	Post Graduates	25	IMS
2.	29 <sup>th</sup> Jul. 2021	Post Graduates	29	IMS
3.	23 <sup>rd</sup> Aug, 2021	Post Graduates	30	IMS
4.	24 <sup>th</sup> Aug 2021	Post Graduates	29	IMS
5.	26 <sup>th</sup> Aug, 2021	Post Graduates	30	IMS
6.	27 <sup>th</sup> Aug 2021	Post Graduates	30	IMS
7.	30 <sup>th</sup> Aug, 2021	Post Graduates	30	IMS
8.	31 <sup>st</sup> Aug, 2021	Post Graduates	30	IMS
9.	28 <sup>th</sup> Sep, 2021	Post Graduates	29	IMS
10.	29 <sup>th</sup> Sep, 2021	Post Graduates	30	IMS

#### ACLS Courses Content

Sl. No	Date	Participants	Total	Venue
1.	30 <sup>th</sup> Jun & 1 <sup>st</sup> Jul, 2022	Interns & PG	18	IMS 7 <sup>th</sup> Floor

  
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M.S. Ramaiah Medical College  
& Teaching Hospital  
Bangalore - 560 054.

  
**Dr. ARUNA C. RAMESH**  
Prof. & HOD Emergency Medicine  
Ramaiah Medical College & Hospitals

M.S. RAMAIAH MEDICAL COLLEGE, M S R Nagar, MSRIT Post, Bangalore 560 054  
Tel: 080-2360 5190/1742 /1743 /5408. Fax: 080-2360 6213, Email: [msrmedical@msrmc.ac.in](mailto:msrmedical@msrmc.ac.in), Web:  
[www.msrmc.ac.in](http://www.msrmc.ac.in), [www.ramaiah-india.org](http://www.ramaiah-india.org)

## Advance Cardiac Life Support Provider Course

Date: 30<sup>th</sup> June / 1<sup>st</sup> July 2022

Venue: IMS 7<sup>TH</sup> Floor

### Faculty, Instructors and Supporting Staff list:

Dr. Aruna C Ramesh	AHA ITC Co-coordinator
Dr. Hariprasad KV	ACLS Course Director
Dr. Keshava Murthy M R	Instructor
Dr. Dr. Tejaswini	Instructor
Sr. Malini,	Instructor
Br. Mahalingappa	Instructor
Ms. Priya Ramesh	Secretary
Mr. Pavan Kumar V	IT Support
Mr. Basavaraju KS	Support Staff

### Participants List:

1	Dr. Sruthi Siddada
2	Dr. Gowri Sanjay
3	Dr. Hanumesh
4	Dr. Chandrakeerthy
5	Dr. Preeta Suresh
6	Dr. Aditya S Bhushan
7	Dr. Bindiya K Suresh
8	Dr. Nikhil Nandhan S
9	Ms. Rachita Gururaj
10	Dr. Gagandeep B C
11	Dr. Sumanth T M
12	Dr. Suraj N
13	Dr. Priya Ashok
14	Dr. Aishwarya K S L
15	Dr. Megha N M
16	Dr. Keerthana S
17	Dr. Ranjana Gantasala
18	Dr. Megha N M

  
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Ramaiah Medical College & Hospitals



**Course Agenda:**



**Ramaiah AHA International Training Centre**

**Advanced Cardiac Life Support (ACLS) Course for Health Care Providers**  
Ramaiah AHA ITC Co-ordinator – Dr. Aruna C Ramesh  
Ramaiah ACLS Course Director – Dr. Hariprasad KV

**Day & Date: Day 1, 30<sup>th</sup> June, (Thursday) 2022**

**Venue: 7<sup>th</sup> Floor IMS**

**INSTRUCTORS:**

Dr. Aruna C Ramesh, Dr. Keshava Murthy M R, Dr. Tejaswini

**Nursing Supporting Staff:** Sr. Malini, Br. Mahalingappa

**Course Secretary:** Ms. Priya (Mobile-9740087555)

**Technical Support –** Mr. Pavan Kumar, Mr. Basavaraju K S

**PROGRAMME:**

8.00am - 8.30am: Registration

8.30am – 8.45am: Welcome

8.45am – 9.15am: Introduction to Team Dynamics: Dr. Aruna C Ramesh

9.15am – 9.30am: BLS Primary Survey & ACLS Secondary Survey: Video

9.15am – 10.00am: Integrated approach and Megacode Demo: Dr. Aruna C Ramesh & All Instructors

Management of Respiratory Arrest Learning Station – Supervisor – Dr. Tejaswini			
10.00am-10.45am	Group 1 Dr. Hariprasad	Group 2 Dr. Keshava Murthy	Group 3 Dr. Tejaswini

10.45am – 11 am - **Coffee Break**

11.00am – 11:20 am - **Technology Review (Didactic) – Dr. Hariprasad K V**

Management of VF/VT and Asystole/PEA Learning Station - Supervisor – Dr. Hariprasad K V			
11.20am – 12.45pm	Group 1 PEA Dr. Hariprasad	Group 2 Asystole Dr. Keshava Murthy	Group 3 VF/VT Dr. Tejaswini

12.45pm – 1.30pm – ACS Lecture – Dr. Tejaswini

**1.30pm to 2.00pm – Lunch Break**

Tachycardia, Bradycardia, Stable & Unstable, Learning Station Supervisor – Dr. Keshava Murthy			
2.00pm – 03.30pm	Group 1 Tachycardia (stable) Dr. Hariprasad K V	Group 2 Tachycardia (unstable) Dr. Keshava Murthy	Group 3 Bradycardia Dr. Tejaswini

3.30 – 4.00 pm – Stroke Lecture – Dr. Keshava Murthy M R

4.00pm – 4.15pm - **Coffee Break**

4.15pm onwards: Conclusion

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Ramaiah AHA ITC Co-ordinator: Dr. Aruna C Ramesh





Ramaiah AHA International Training Centre

Advanced Cardiac Life Support (ACLS) Course for Health Care Providers  
Ramaiah AHA ITC Co-ordinator – Dr. Aruna C Ramesh  
Ramaiah ACLS Course Director – Dr. Hariprasad KV

**Day & Date:** Day 2, 1<sup>ST</sup> July 2022

**Venue:** 7<sup>th</sup> floor IMS

**One Large Group:**

8.30am – 9.00 am: Algorithm videos and Team Dynamics video

9.00am – 9.30am: Putting it all Together Team Concept (Video)  
Integrated approach and Megacode Demo: Dr. Aruna C Ramesh & All Instructors

MEGACODE SCENARIO PRACTICE			
09.30am – 10.30pm	Group 1 Dr. Hariprasad	Group 2 Dr. Keshava Murthy	Group 3 Dr. Tejaswini

10.30am- 10.45am – **Coffee Break**

MEGACODE SCENARIO PRACTICE			
10.45am – 12.00pm	Group 1 Dr. Keshava Murthy	Group 2 Dr. Hariprasad	Group 3 Dr. Tejaswini

12.00am – 12.15am: - Courses summary & testing details

12.15am – 01.15pm: Written Test

01.15 – 02.00pm: **Lunch Break**

Megacode Test			
02.00pm - 3.30pm	Group 1 Dr. Keshava Murthy	Group 2 Dr. Aruna C Ramesh Dr. Tejaswini	Group 3 Dr. Hariprasad K V

**3.30pm onwards wrap up and Remediation**

**4 pm: Conclusion**

*Aruna C Ramesh*

Ramaiah AHA ITC Co-ordinator: Dr. Aruna C Ramesh

*Keshava Y/a*

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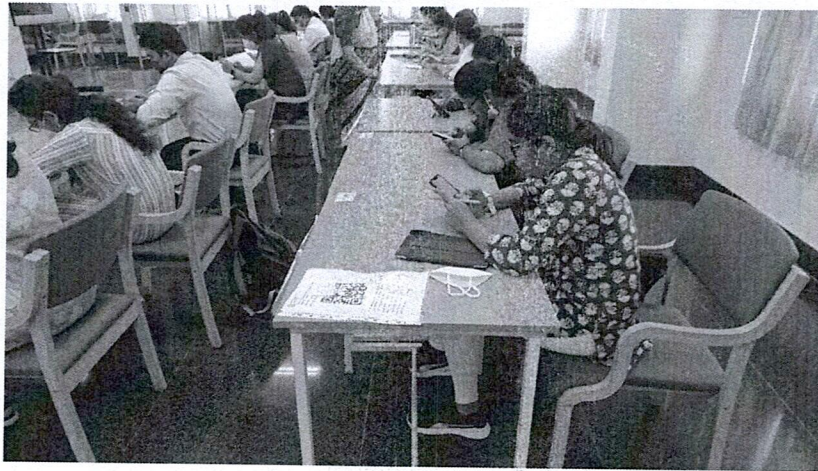
Day 1, 30<sup>th</sup> June, (Thursday) 2022 Session:

### Course Infrastructure Plan

ACLS Course, Student Participate in simulated clinical Scenarios and learning stations. Students will work within AHA ACLS Instructor to complete ACLS Skill practice and skills testing. Students also will complete a written exam. American Heart Association ACLS Provider course completion card invalid hood two years.

#### 1. Self-Declaration

Due to Covid pandemic all the participants undergone basic Covid screening process. Following details of the participants was recorded, the application will automatically categorised to Covid suspected or not based on the details provided by the participants. The application screenshots are shown below.



➤ Demographic data

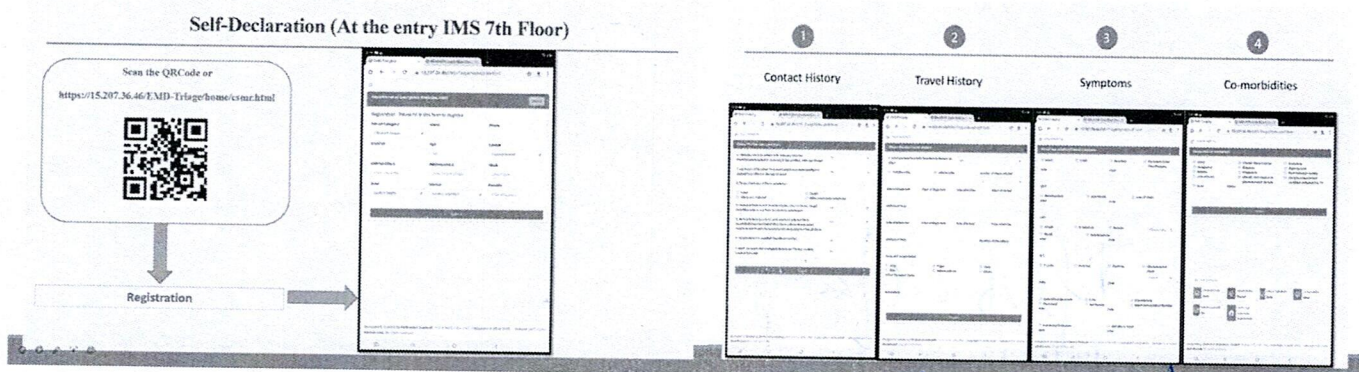
The QR code is made available at the screening area to scan from the participant phone to assess the application.

The demographic data collected as shown below

Name, Phone, Email, Age, Gender, Address

- Contact History
- Travel History
- Symptoms
- Co-Morbidities

COPD, Chronic renal disease, Bronchitis, Malignancy, Diabetes, Hypertension, Asthma, Pregnancy, Post-partum (>6 weeks), Liver disease, Chronic neurological or neuromuscular disease, Immunocompromised condition including HIV, TB, None or any others



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1. Registration



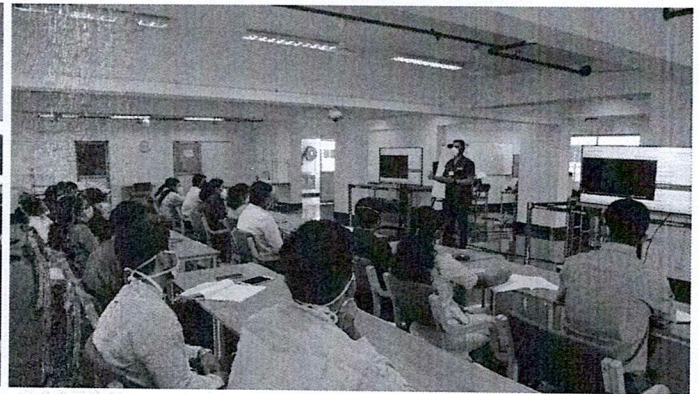
During the registration the participants Name, Phone Number and Email ID are collected for the further communication and to submit to generate the E-Certificate which will be send via email to the participants. The Stickers with the participant's name are issued to each participant display on shirt / top.

*Medha Rao*

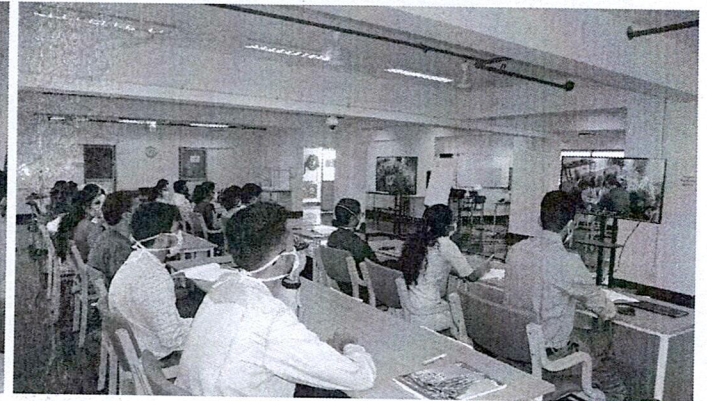
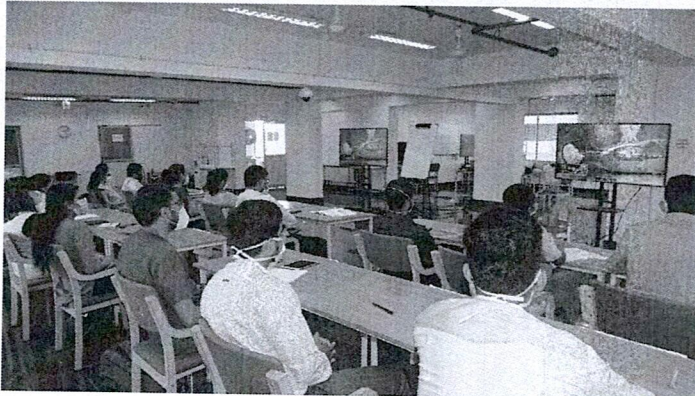
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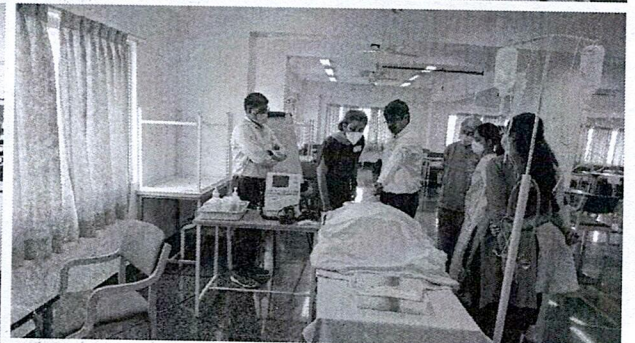
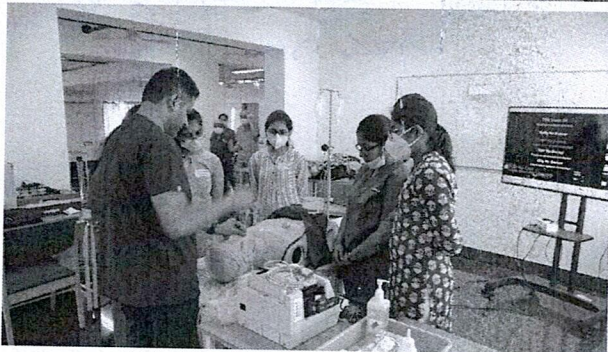
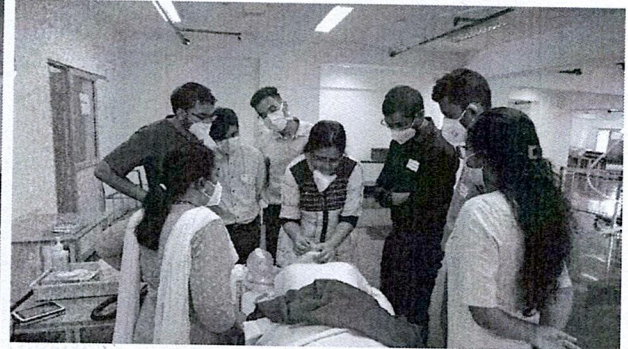
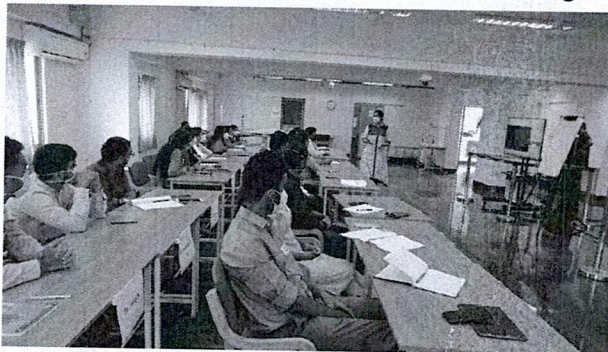
2. Introduction to Team Dynamics: Dr. Aruna C Ramesh



3. BLS Primary Survey & ACLS Secondary Survey: Video



4. Management of Respiratory Arrest Learning Station – Supervisor – Dr. Tejaswini





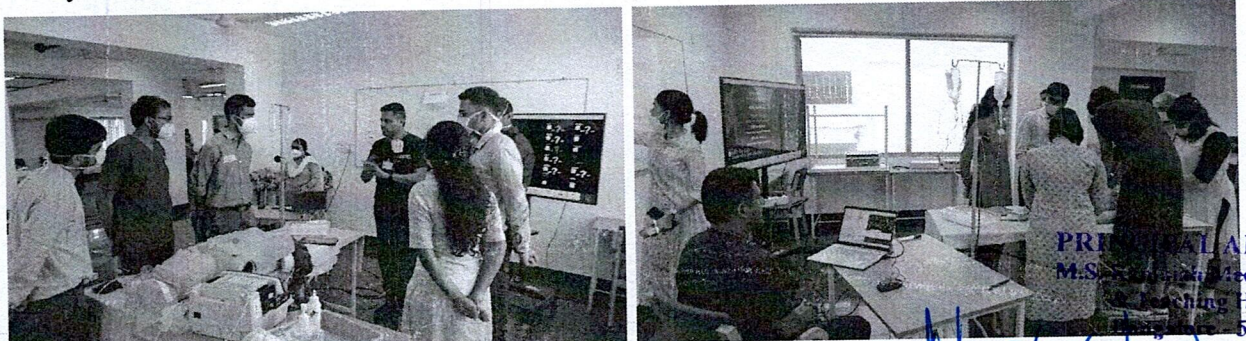
5. Management of VF/VT and Asystole/PEA Learning Station - Supervisor – Dr. Hariprasad K V



6. ACS Lecture: Dr, Tejaswini



7. Tachycardia, Bradycardia, Stable & Unstable, Learning Station Supervisor – Dr. Keshava Murthy

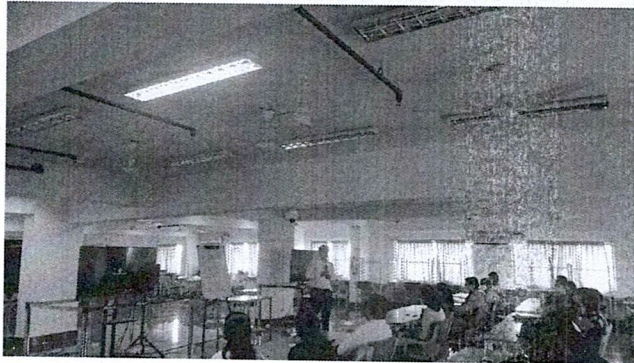


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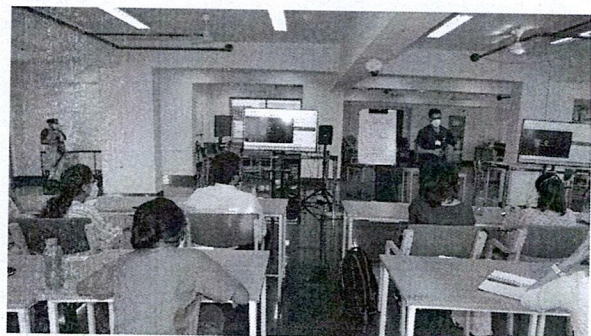
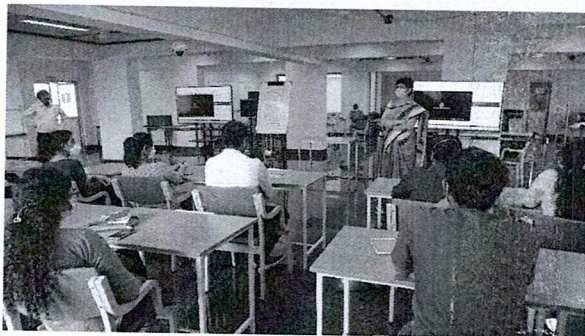




8. Stroke Lecture: Dr. Keshava Murthy MR



9. Conclusion Day- 1



**Day 2, 1<sup>st</sup> July 2022**

1. Algorithm videos and Team Dynamics video

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2. Putting it all Together Team Concept (Video) Integrated approach and Mega code Demo:  
Putting it all together



MEGACODE SCENARIO PRACTICE



*Maha Pad*

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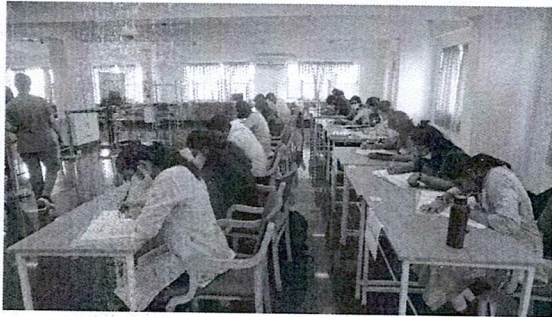
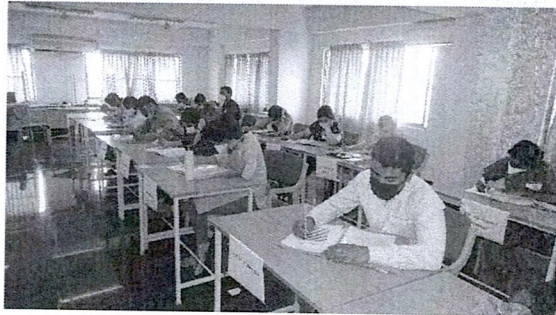
& Teaching Hospital

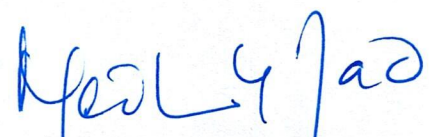


3. Courses summary & Testing details



4. Written Test





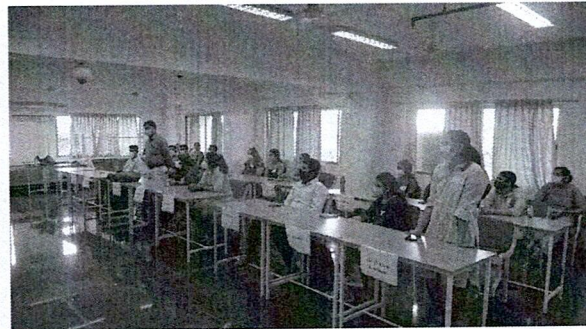
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5. Mega code Test



6. Conclusion



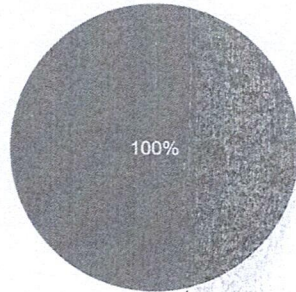
7. Group Photo



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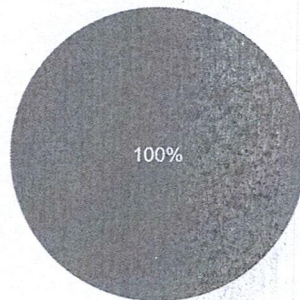


My Instructor: Provided instruction and help during my skills practice session



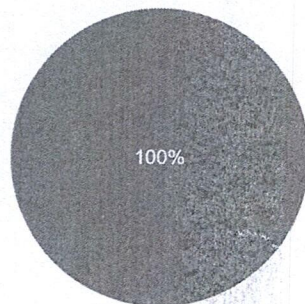
- Yes
- No

My Instructor: Answered all of my questions before my skills test

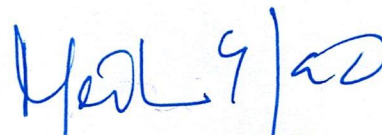


- Yes
- No

My Instructor: Was professional and courteous to the students

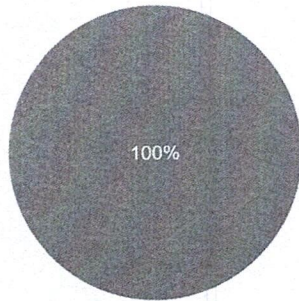


- Yes
- No

  
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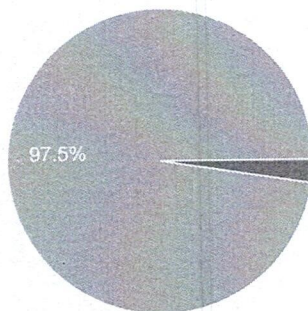


The course learning objectives were clear



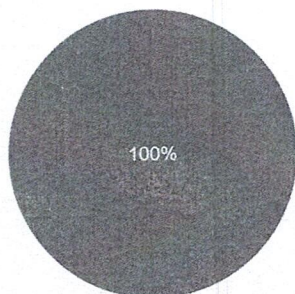
- Yes
- No

The overall level of difficulty of the course was



- Too hard
- Too easy
- Appropriate

The content was presented clearly

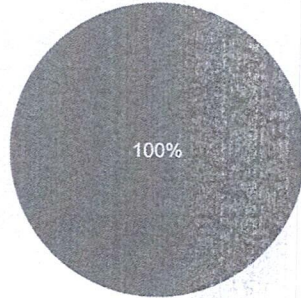


- Yes
- No

  
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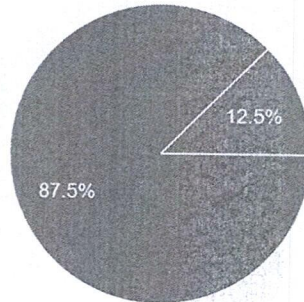


The quality was presented clearly



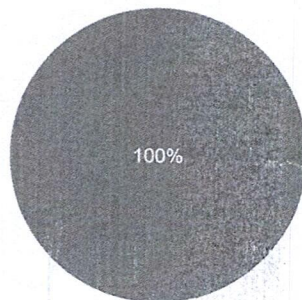
- Yes
- No

The quality of videos and written materials was




- Excellent
- Good
- Fair
- Poor

The equipment was clean and in good working condition

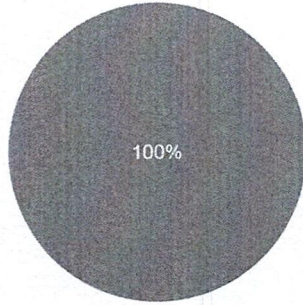


- Yes
- No

  
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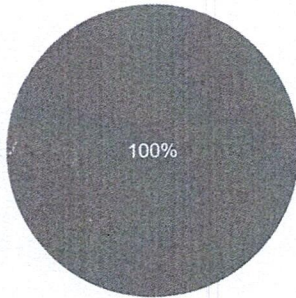


The course prepared me to successfully pass the skills session



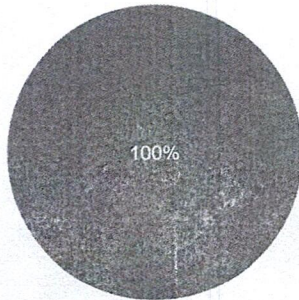
- Yes
- No

I am confident I can use the skills the course taught me



- Yes
- No
- Not sure

I will respond in an emergency because of the skills I learned in this course

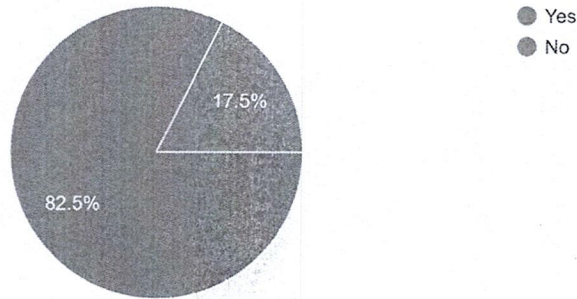


- Yes
- No
- Not sure

  
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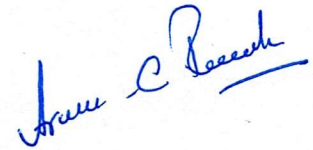


I took this course to obtain professional education credit or continuing education credit



Report prepared by-

Dr. Hariprasad K V  
ACLS Course Director



**Dr. Aruna C Ramesh**  
Ramaiah AHA ITC Coordinator

**Dr. ARUNA C. RAMESH**  
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## Ramaiah AHA – ITC Basic Life Support Provider Course

**Date: 24<sup>th</sup> August 2021**

**Venue: IMS 7<sup>th</sup> Floor, Ramaiah Memorial Hospital**

### Faculty, Instructors and Supporting Staff list:

Dr. Aruna C Ramesh	Faculty
Dr. Keshava Murthy M R	Faculty
Dr. Prathima	Faculty
Dr. Abhishek	Faculty
Dr. Hariah KS	Faculty
Dr. Shruthi	Faculty
Sr. Swetha D B	Instructor
Sr. Shanthakumari	Instructor
Br. Dinakar	Instructor Potential
Br. Rakshesh	Instructor
M <sub>s</sub> . Priya Ramesh	Secretary
Mr. Pavan Kumar	IT
Mr. Basavaraju KS	Support Staff
Mr. Chandrashekar	Support Staff

### Participants List:

BLS Provider Course Participant List (24th August 2021)		
Group A	Group B	Group C
Dr. Solanki Jaylaxmi Vijaysinh	Dr. Hrithma M Shetty	Dr. Prajwal K
Dr. Amitha R Doddamani	Dr. Sonali Sunil Chammanam	Dr. Lavanya D M
Dr. Vinutha V	Dr. Vishnu S	Dr. Prajwal Ravindrareddy
Dr. Charishma Dasari	Dr. Madhu M M	Dr. Deshmukh Swapnil Narayana
Dr. Varsha M	Dr. Shanmathi S	Dr. Shrishti Patil
Dr. Pooja R	Dr. Pooja K	Dr. Sowmya L N



Group D	Group E
Dr. Guru Prasad R	Dr. Prithvi Adivappa Kamble
Dr. Karthik Kumar S	Dr. Pothumarthy Venkata Swathi Kiran
Dr. Sangle Ameya Rangnath	Dr. Manda Pranay Reddy
Dr. Bharath Nayak G	Dr. Goutham G
Dr. Abhijit M G	Dr. Ramchaitanya Kothapalli
Dr. N Monica	Dr. Sagar Sourabh

**Course Agenda:**

Time	Event	Personal
8.30 AM to 9.30 AM	Registration	Ms. Priya Ramesh
	Self-Declaration	Mr. Chandrashekar, Mr. Basavaraju
	Risk Assessment	Br. Dinakar, Br. Rakesh
	Pre-Test & Pre-Assessment	Sr. Swetha, Sr Shanthi
9.30 AM to 9.45 AM	Welcome & Introduction	Dr. Aruna C Ramesh
9.45 AM to 11.00 AM	Adult CPR <ul style="list-style-type: none"> <li>➤ Scene Safety</li> <li>➤ Check Response</li> <li>➤ Call for Help</li> <li>➤ Check Pulse</li> <li>➤ Compressions</li> <li>➤ Open Airway</li> <li>➤ Breathing</li> </ul>	Dr. Aruna C Ramesh
11 AM to 11.15 AM	Tea/Coffee Break	
11.15 AM to 12.30 PM	AED <ul style="list-style-type: none"> <li>➤ Overview</li> <li>➤ Demonstration</li> <li>➤ Practice</li> </ul>	Dr. Keshava Murthy M R
12.30 PM to 1.00 PM	Child CPR <ul style="list-style-type: none"> <li>➤ Scene Safety</li> <li>➤ Check Response</li> <li>➤ Call for Help</li> </ul>	Dr. Prathima



	<ul style="list-style-type: none"> <li>➤ Check Pulse</li> <li>➤ Compressions</li> <li>➤ Open Airway</li> <li>➤ Breathing</li> </ul>	
1.00 PM to 1.30 PM	Lunch Break	
1.30 PM to 2.30 PM	Infant CPR <ul style="list-style-type: none"> <li>➤ Scene Safety</li> <li>➤ Check Response</li> <li>➤ Call for Help</li> <li>➤ Check Pulse</li> <li>➤ Compressions</li> <li>➤ Open Airway</li> <li>➤ Breathing</li> </ul>	Dr. Geeta
2.30 PM to 3.00 PM	Choking <ul style="list-style-type: none"> <li>➤ Adult – Conscious, Unconscious</li> <li>➤ Child – Conscious, Unconscious</li> <li>➤ Infant – Conscious, Unconscious</li> </ul>	Dr. Harish / Dr. Abhishek
3.00 PM to 3.15 PM	Team Dynamics	Dr. Aruna C ramesh
3.15 PM to 5.00 PM	Written Examination, Testing Station	
5.00 PM to 5.30 PM	Post-Test, Post-Assessment, Feedback and Conclusion	

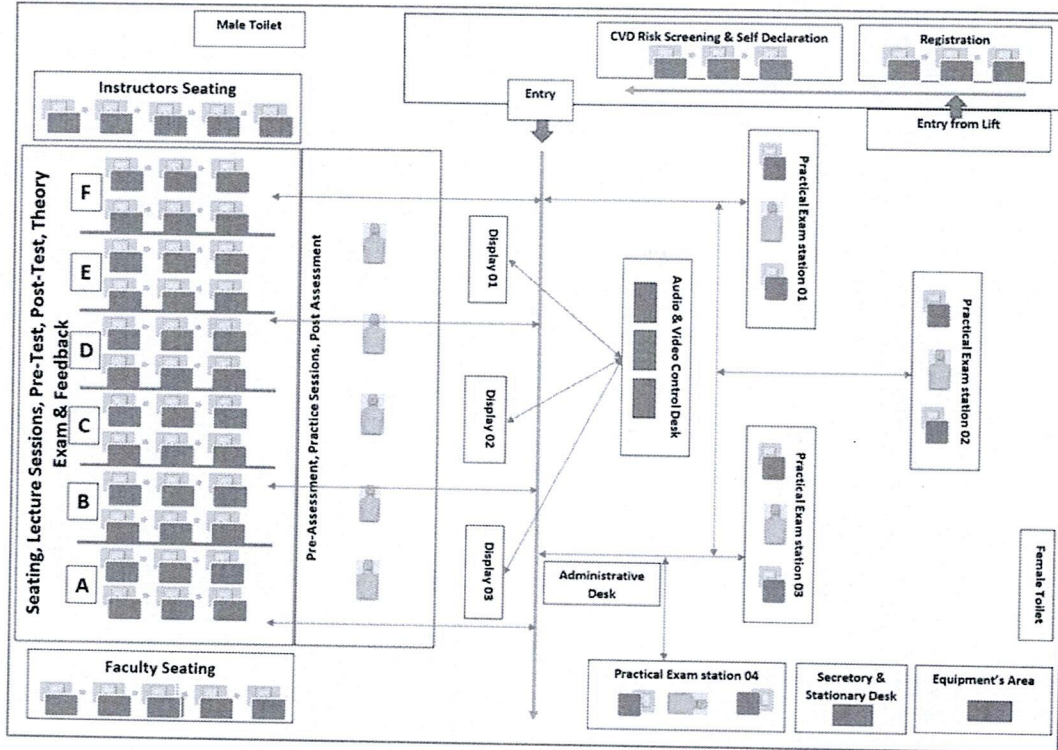
  
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**Sessions:**

**1. Course Infrastructure Plan**

The detailed course plan is shown in the below.



American heart Association provided us the BLS course video which is shown to the participants every session following with the lecture and practice sessions. We used three 55" TVs to display the videos which were connected to the central computer which have access to AHA BLS video content.

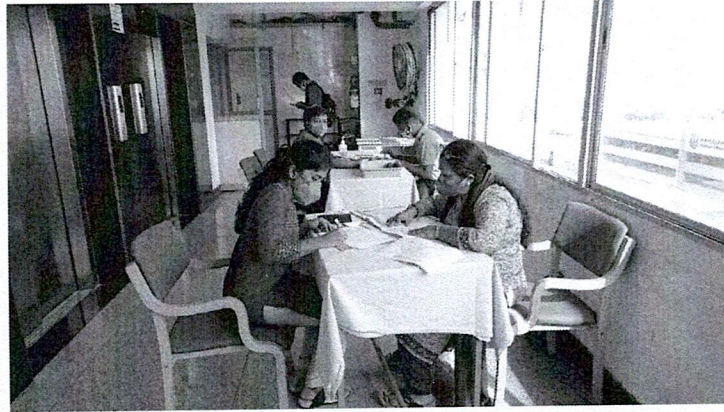
To improve the audio in the room we used dual speaker and mic system. A portable pocket mic was given to each faculty which was connected to the speaker via Bluetooth to enhance the audio quality.

We used three kinds of mannequins. Infant, Child and Adult mannequins which are all Bluetooth enabled and were capable of giving the compressions feedback visualization when connected to the tablet or smart phone with an application inside. Each mannequin was provided with a Samsung tablet in which QCPR training application is installed (discussed in details in the Pre and Post CPR assessment sections).

We used Laerdal and Philips AED's (Automated External Defibrillator) for hands on practice.



## 2. Registration

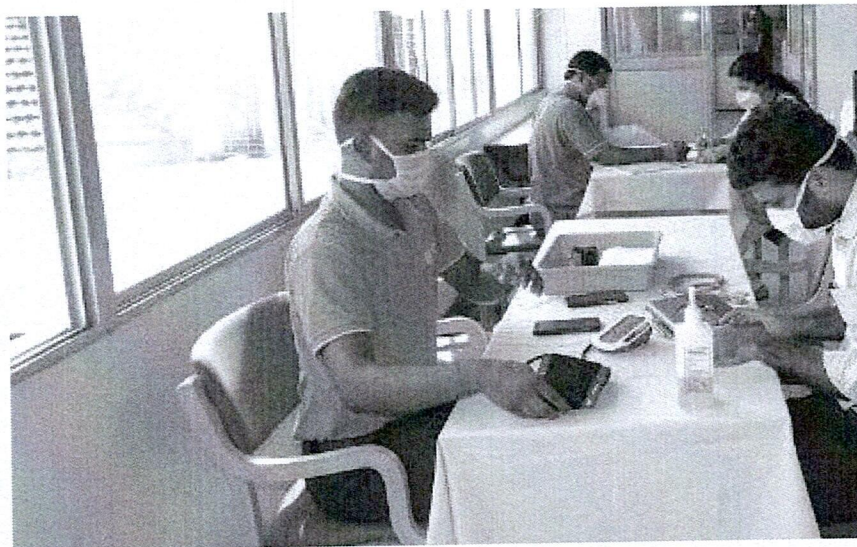


During the registration the participants Name, Phone Number and Email ID are collected for the further communication and to submit to generate the E-Certificate which will be send via email to the participants. The Stickers with the participant's name are issued to each participant display on shirt top.

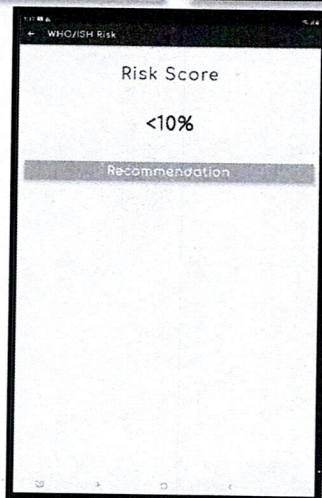
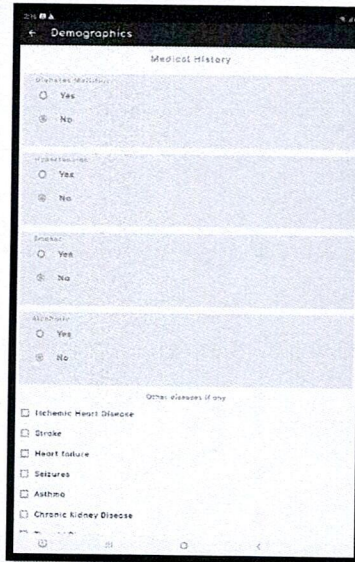
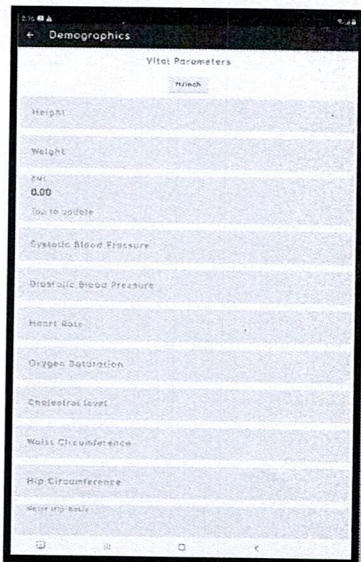
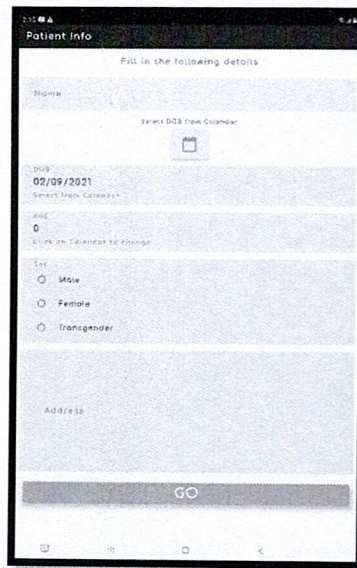
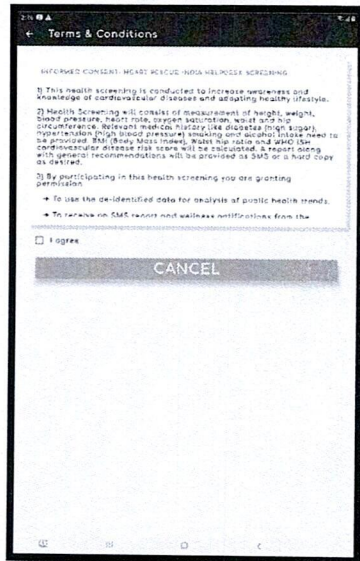
## 3. CVD Risk Assessment

All the participants were underwent Risk Assessment. The participant's vitals were recorded along with answering questions regarding risk factors and comorbidities using the mobile application as shown below.

The application will calculate and show the end result as WHO CVD Risk Score.



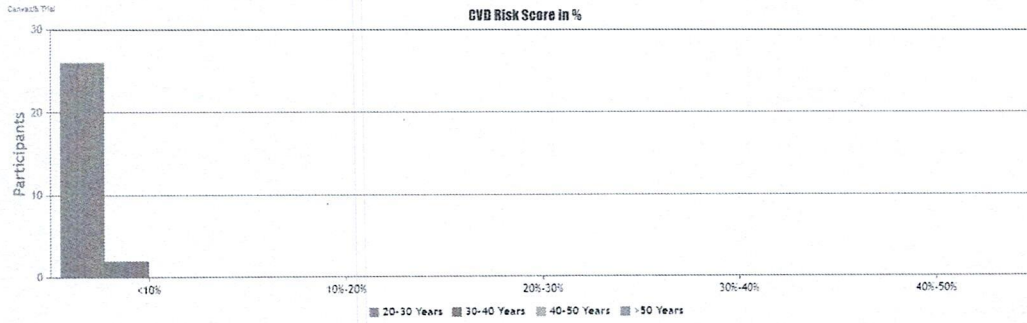




*[Handwritten Signature]*  
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& Teaching Hospital  
Bangalore - 560 054.

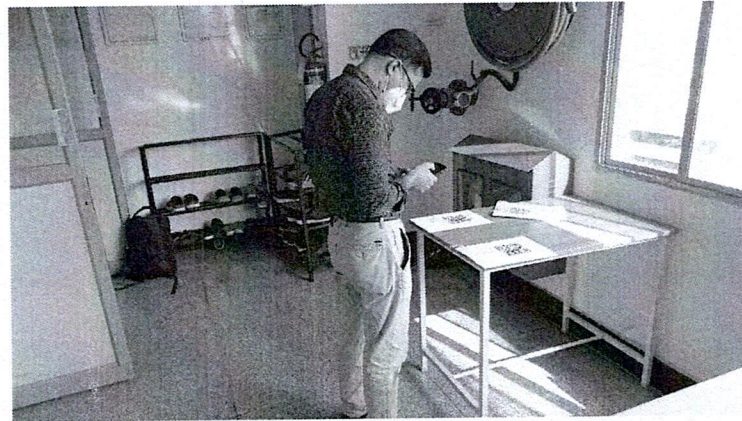


**CVD Risk Assessment Statistics:**



**4. Self-Declaration**

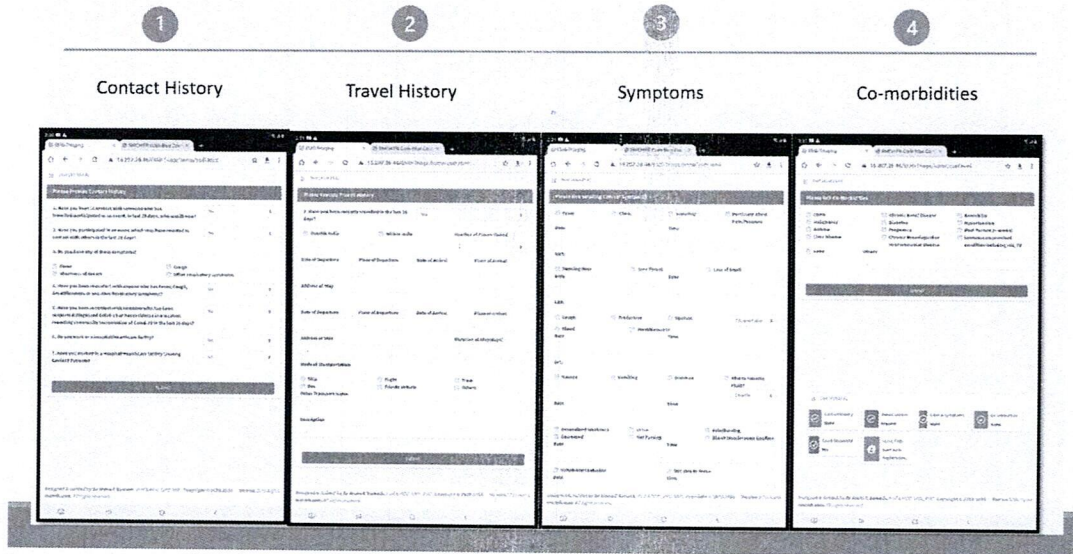
Due to Covid pandemic all the participants have to undergo basic Covid screening process. A web application is developed in which the following details of the participants are recorded and as a final result, the application will automatically categories in to Covid suspected or not based on the details provided by the participants. The application screenshots are shown below.



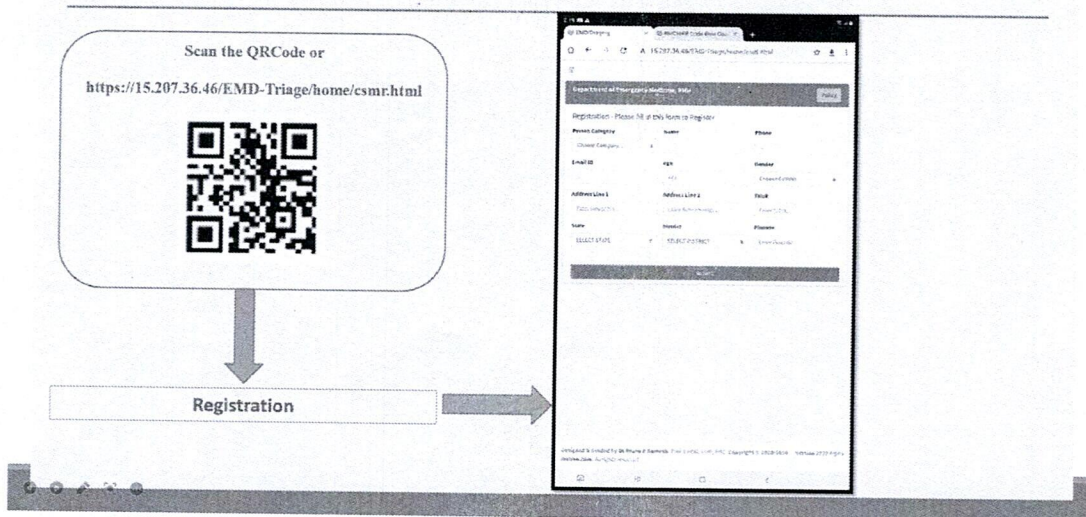
- Demographic data
  - The QR code is made available at the screening area to scan from the participant phone to assess the application.
  - The demographic data collected as shown below
  - Name, Phone, Email, Age, Gender, Address
- Final Impression
  - ❖ Covid Suspected or Not

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**Self-Declaration (At the entry IMS 7th Floor)**



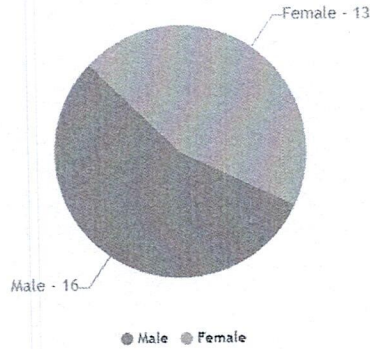
Participants participating in screening process. TBD add photos here

*K. Mediga*  
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**M.S. Ramaiah Medical College**  
**& Teaching Hospital**



Analytics:

**Total Participants: 29**



Total Participants	29
Contact History	0
Travel History	0
Symptoms	0
Co-Morbidities	0

**5. Pre-Test:**

A web application is developed to answer the following sections:

1. Pre-Test questions
2. Post-Test questions
3. Record Pre-Assessment QCPR Score
4. Record Post-Assessment QCPR score
5. Self-Assessment feedback
6. Course evaluation form
7. Over all course feedback

This digital platform was created to avoid the paper work and secure the data. And also, this database helps us to run the analytics in an easy way.

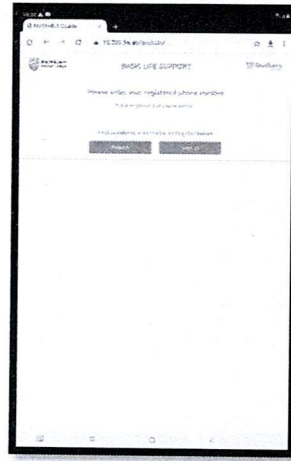
Each component of the application is discussed in the following sections.



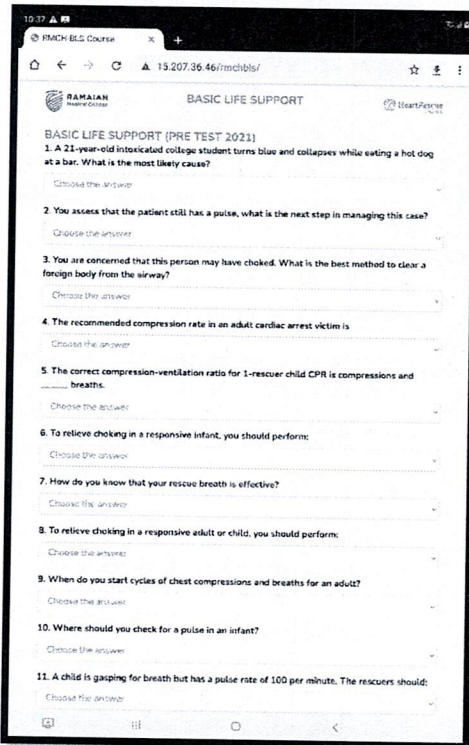
Create a login to the application using the phone number.



Sign in to the application using phone number.



Attend the Pre-Test Questions, total 25 objective type questions.

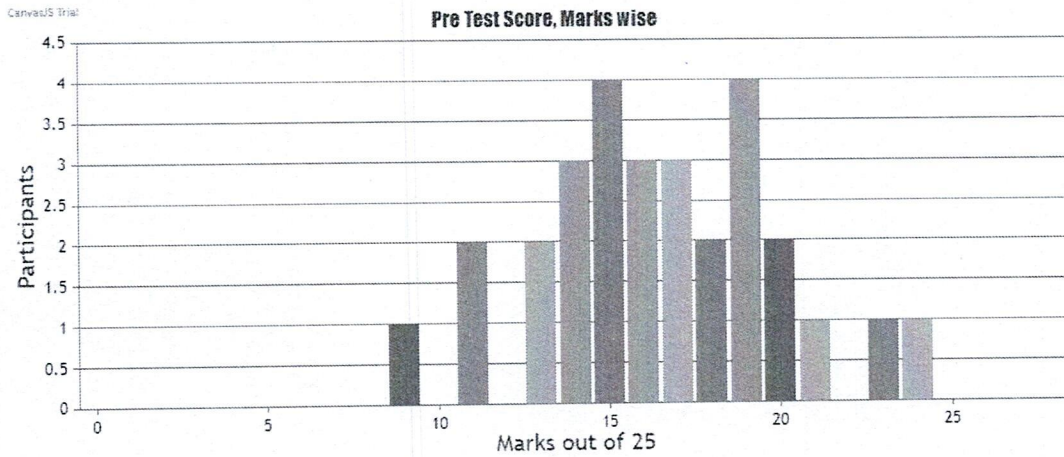


A set on 25 Pre-Test Questions were made available to answer.

The Pre-Test questions are as follows and same are available for the Post Test after the lecture sessions and data is analyzed based on the before sessions and after sessions.

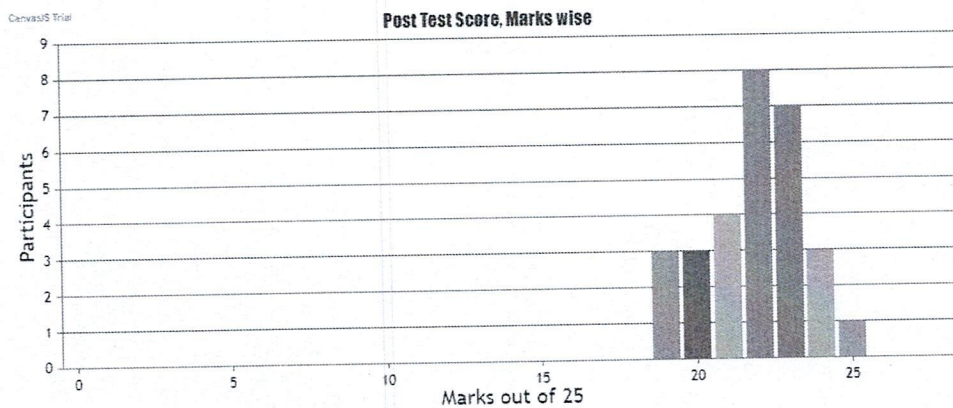


Analytics:



The X axis represents the marks obtained from 0 to 25.

The Y axis represents the number of participants.



The X axis represents the questions from 1 to 25.

The Y axis represents the number of candidates who answered correctly from questions 1 to 25.

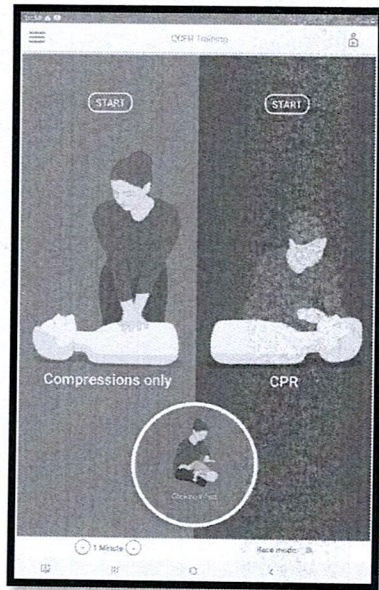
*K. Padma Y. Rao*  
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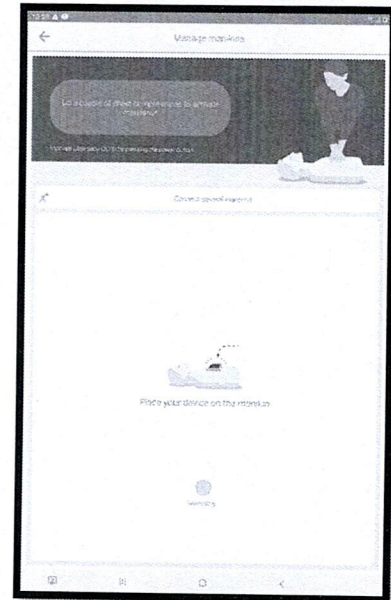
**6. Pre-Assessment**

As the mannequins are Bluetooth enabled, the CPR feedback can be visualized in the Smart phone or Tablet using the QCPR training application installed. The application screen is shown as below.

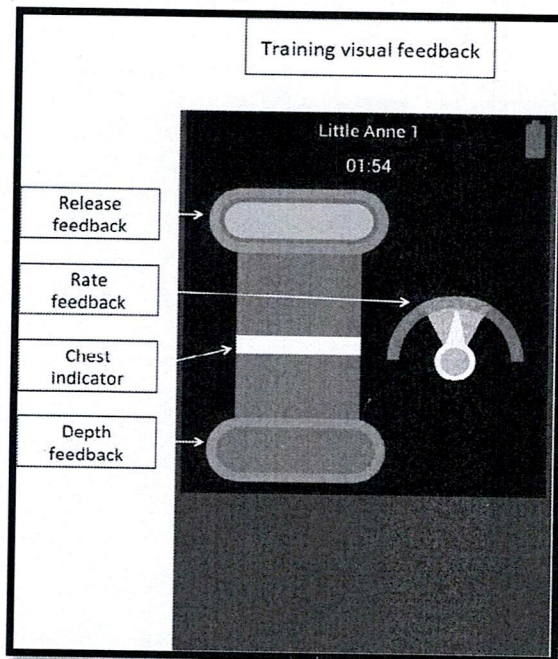
**Main Screen of the application:**



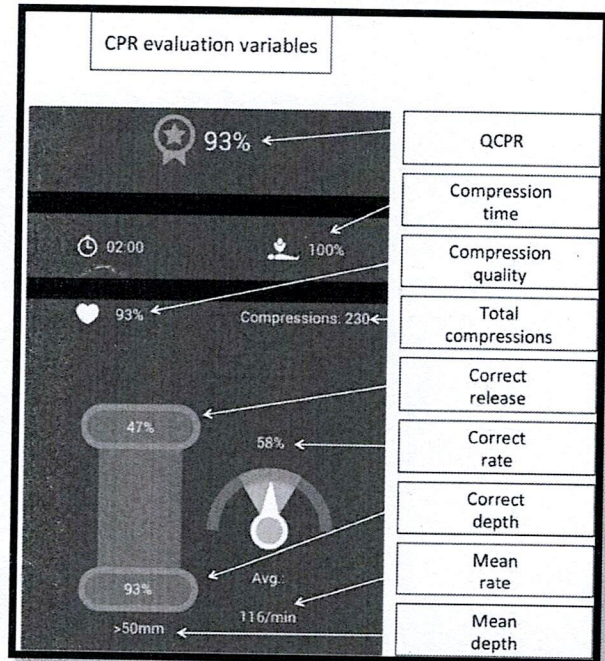
**Connect to the mannequin:**



**During the compressions:**



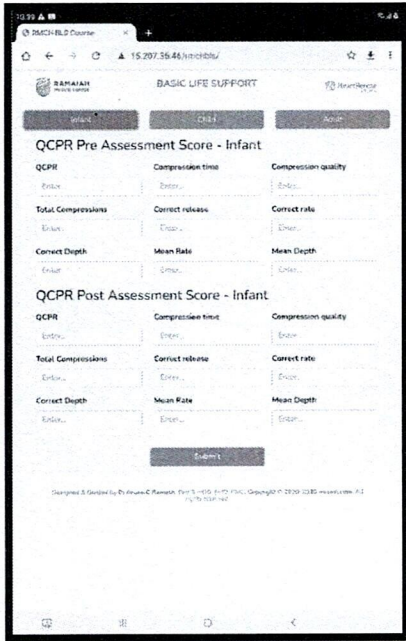
**QCPR Results:**



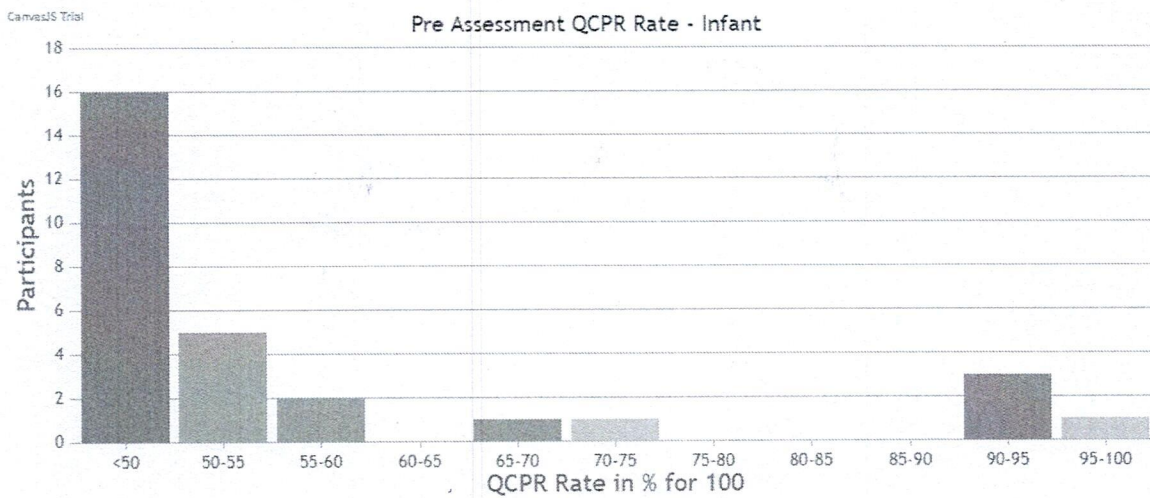
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- Infant Compressions:  
Record the Pre-Assessment Q CPR parameters.



**Analytics:**



The X axis represents the Q CPR Rate in %.

The Y axis represents the number of candidates.

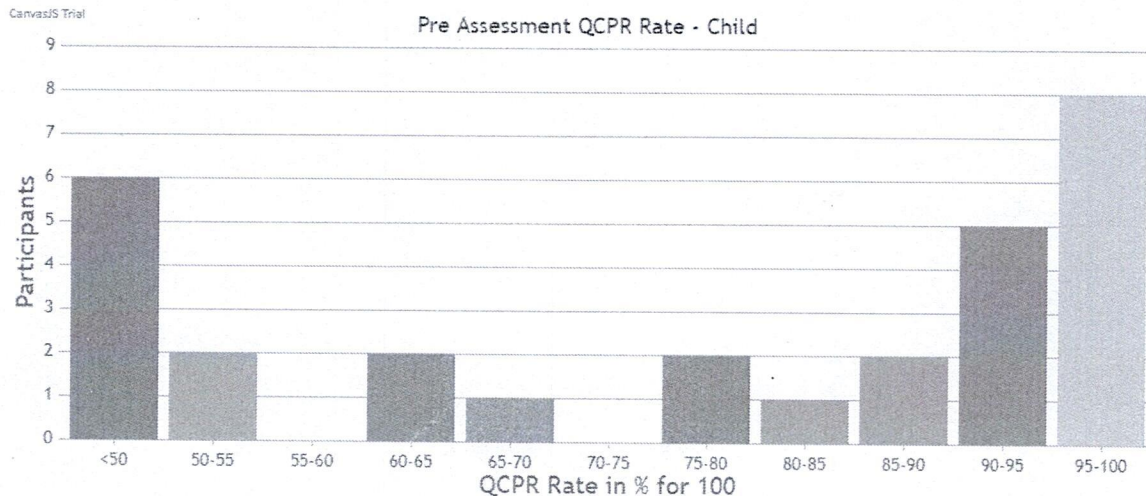


- Child Compressions:  
Record the Pre-Assessment Q CPR parameters.

The screenshot shows the 'BASIC LIFE SUPPORT' app interface for 'Child' assessment. It features two main sections: 'Q CPR Pre Assessment Score - Child' and 'Q CPR Post Assessment Score - Child'. Each section contains a grid of input fields for various parameters: Compression time, Compression quality, Total Compressions, Correct release, Correct rate, Correct Depth, Mean Rate, and Mean Depth. A 'Submit' button is located at the bottom of the form.



**Analytics:**



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The X axis represents the QCPR Rate in %.

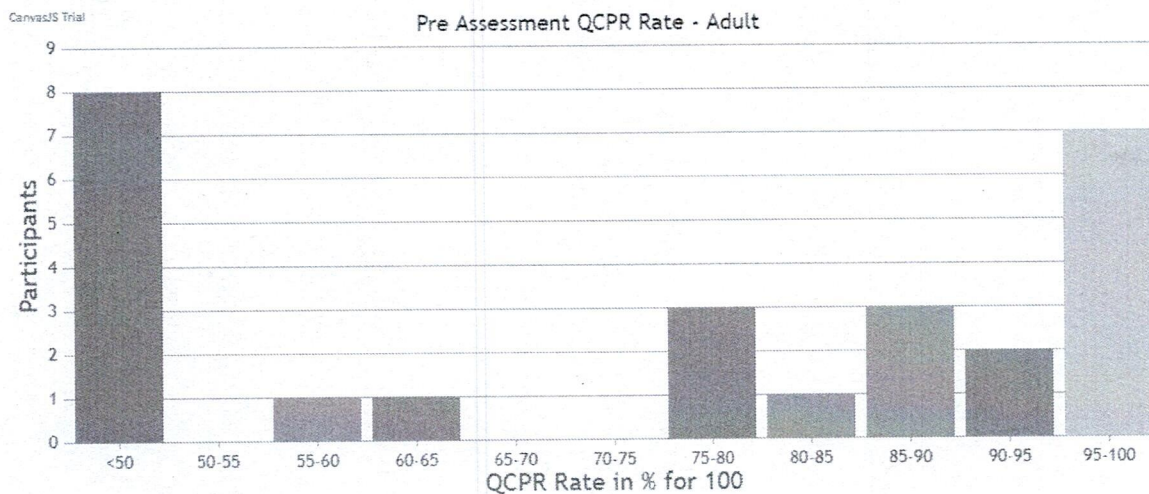
The Y axis represents the number of candidates.

➤ Adult Compressions

Record the Pre-Assessment QCPR parameters.



Analytics:



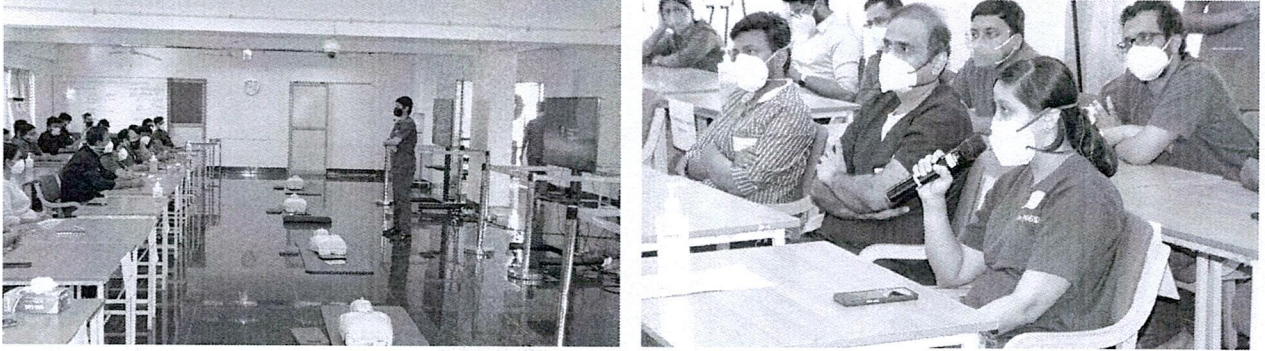
*[Handwritten Signature]*  
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The X axis represents the QCPR Rate in %.

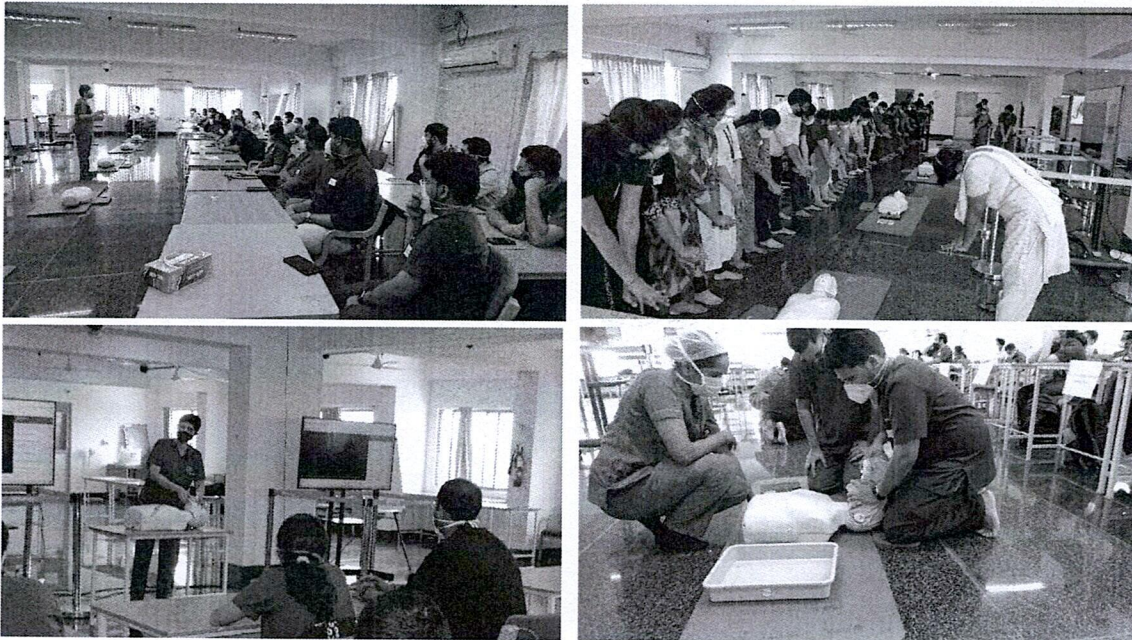
The Y axis represents the number of candidates.

7. Course Introduction and Disclaimer



8. 1-Rescuer Adult BLS

- Instruction: Adult Chains of Survival, Scene Safety and Assessment, Adult Compressions
- PWW: Scene Safety Assessment and Adult Compressions
- Instruction: Pocket Mask
- PWW: Pocket Mask
- Instruction: 1-Rescuer Adult
- PWW: 1-Rescuer Adult BLS

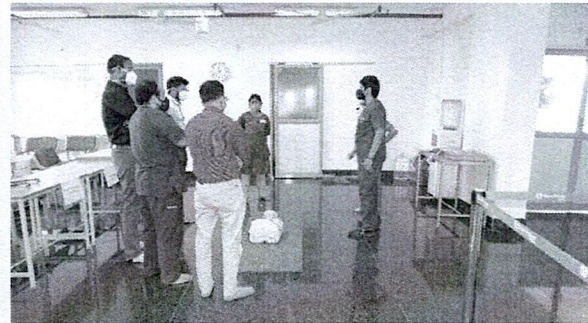
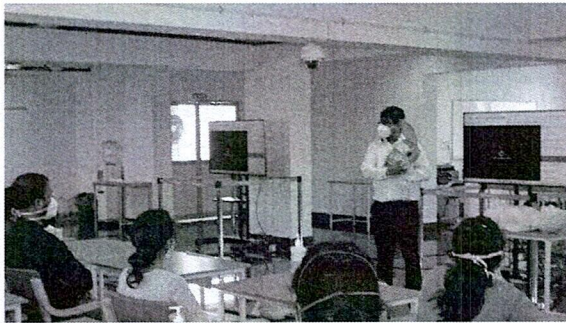


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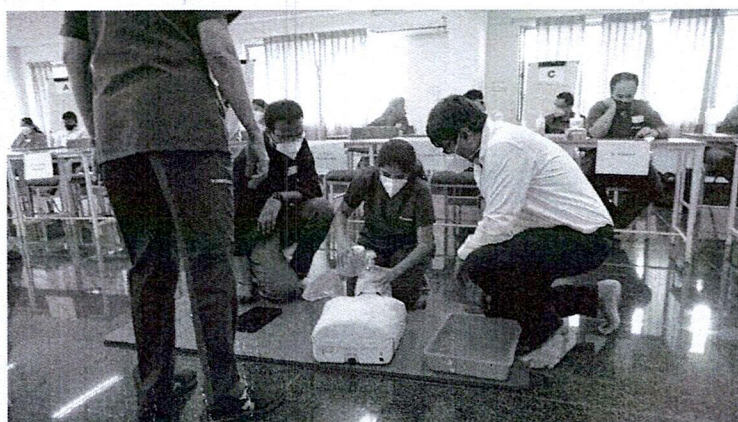
9. AED and Bag Mask Device

- Instruction: AED
- Instruction: Bag-Mask Device
- PWW: bag-Mask Device



10. 2-Rescuer Adult BLS

- Instruction: 2-Rescuer Adult BLS
- PWW: 2-Rescuer Adult BLS





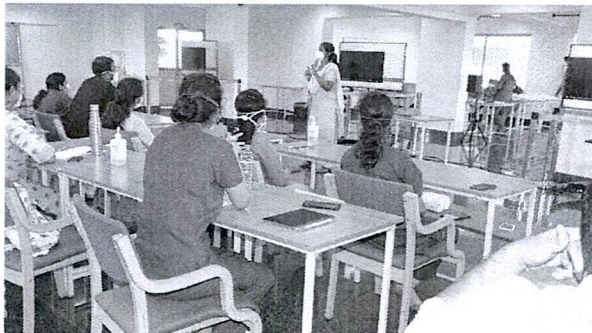
### 11. High Performance Teams

- Instruction: Team Dynamics
- Instruction: High Performance Teams



### 12. Child BLS

- Instruction: Pediatric Chains of Survival, Child BLS and 2-Rescuer Child CPR
- PWV: 2-Rescuer Child CPR

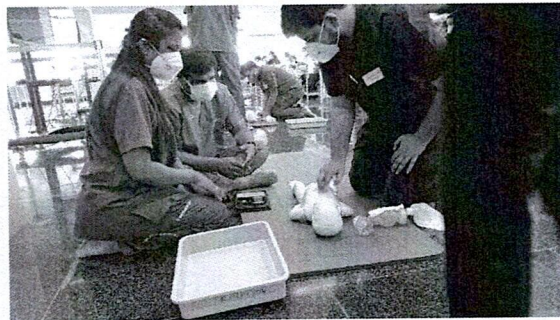
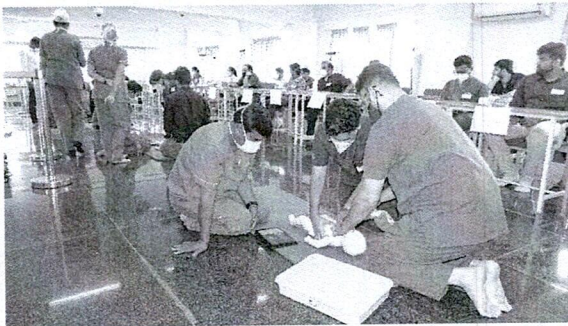
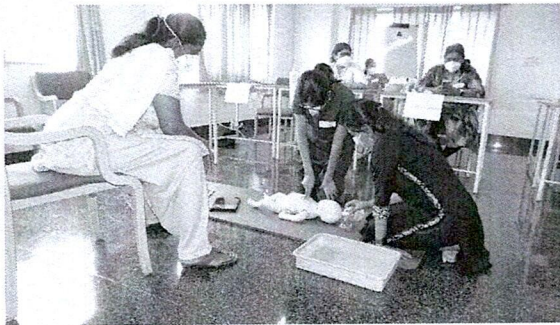
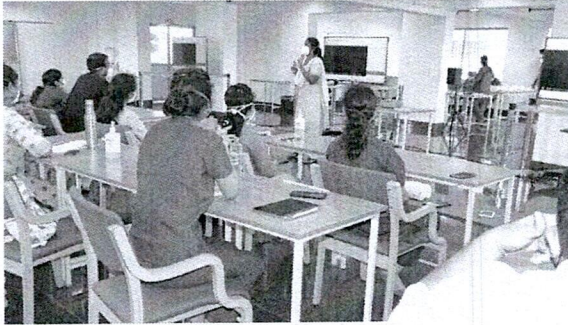


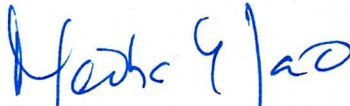
  
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13. Infant BLS

- Instruction: Infant BLS and Infant Compressions
- PWW: Infant Compression
- Instruction: Bag Mask Device, Device for Infants
- PWW; Bag Mask Device for Infants
- Instruction: 2-Rescuer Infant CPR
- Instruction: AED for Infants and Children Less than 8 Years of Age



  
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14. Relief of Choking

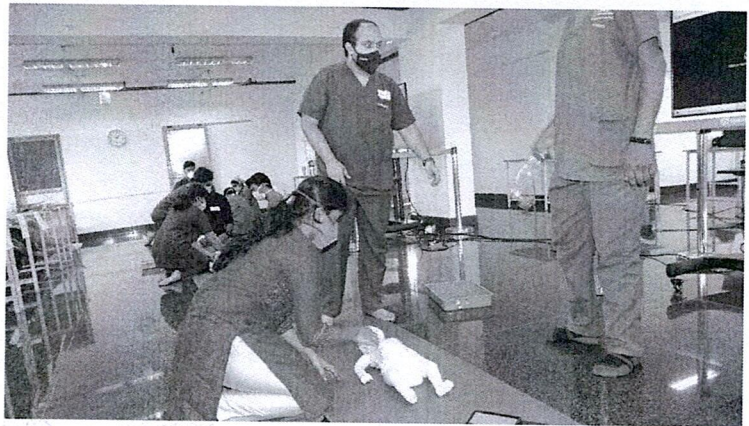
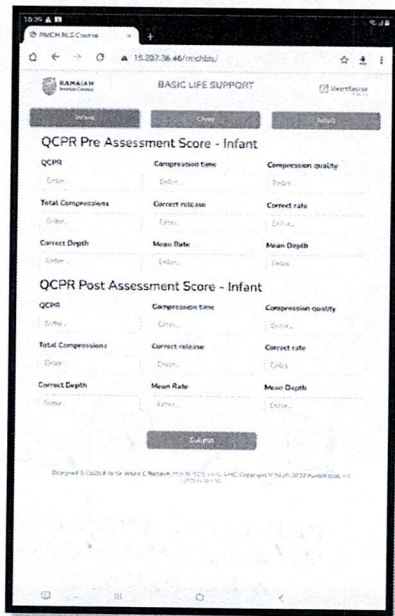
- Instruction: Relief of Choking in an Adult or Child
- Instruction: Relief of Choking in a Responsive Infant
- PWW: Relief of Choking in a Responsive Infant
- Instruction: Relief of Choking in an Unresponsive Infant



15. Post Assessment

- Infant Assessment

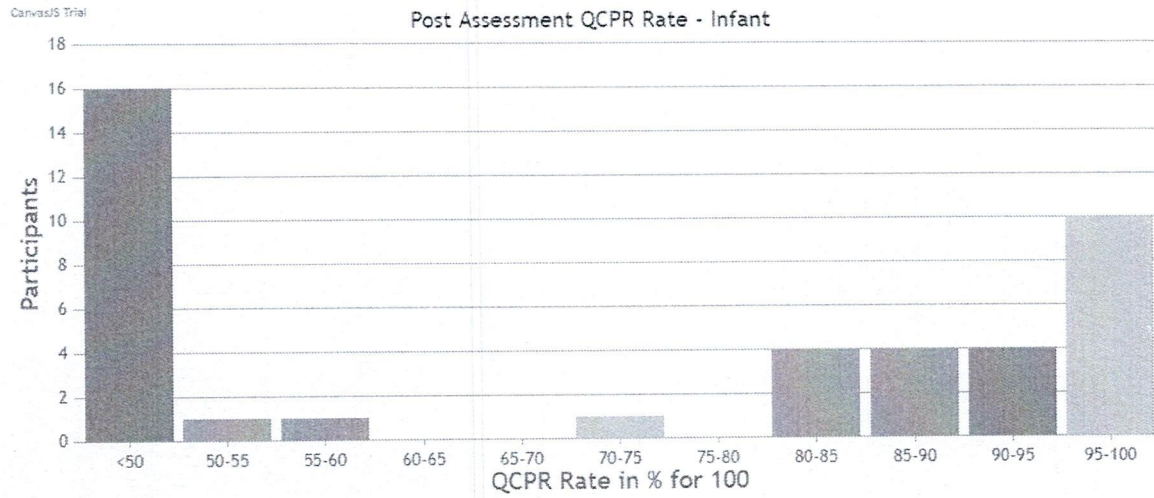
Record the Post-Assessment Q CPR parameters.



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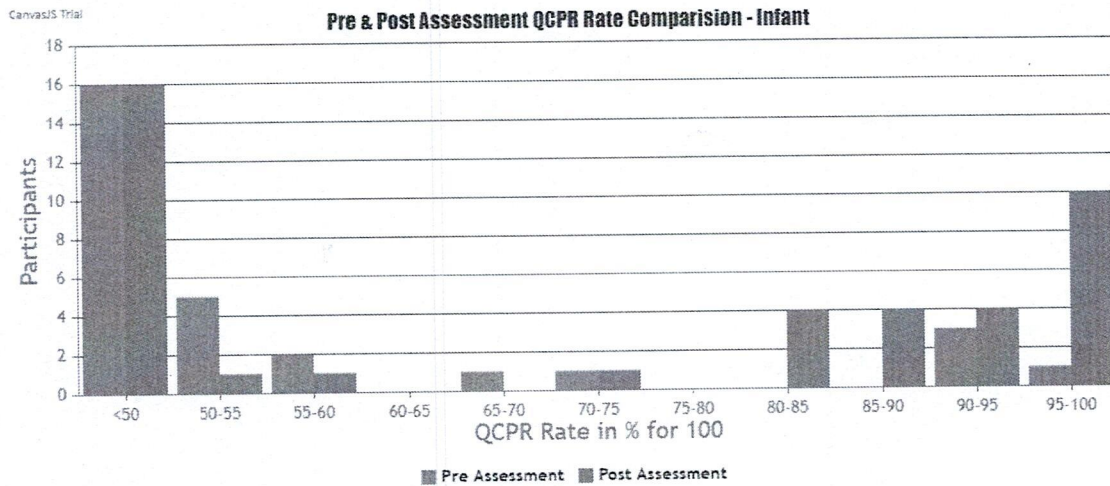
Analytics:



The X axis represents the QCPR Rate in %.

The Y axis represents the number of candidates.

Pre and Post Assessment Comparison graph – Infant Compressions



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The X axis represents the QCPR Rate in %.

The Y1 axis represents the number of candidates – Pre-Assessment.

The Y2 axis represents the number of candidates – post-Assessment.

➤ Child Assessment

Record the Post-Assessment QCPR parameters.

**BASIC LIFE SUPPORT**

**QCPR Pre Assessment Score - Child**

QCPR	Compression time	Compression quality
Enter...	Enter...	Enter...
Total Compressions	Correct release	Correct rate
Enter...	Enter...	Enter...
Correct Depth	Mean Rate	Mean Depth
Enter...	Enter...	Enter...

**QCPR Post Assessment Score - Child**

QCPR	Compression time	Compression quality
Enter...	Enter...	Enter...
Total Compressions	Correct release	Correct rate
Enter...	Enter...	Enter...
Correct Depth	Mean Rate	Mean Depth
Enter...	Enter...	Enter...

Submit

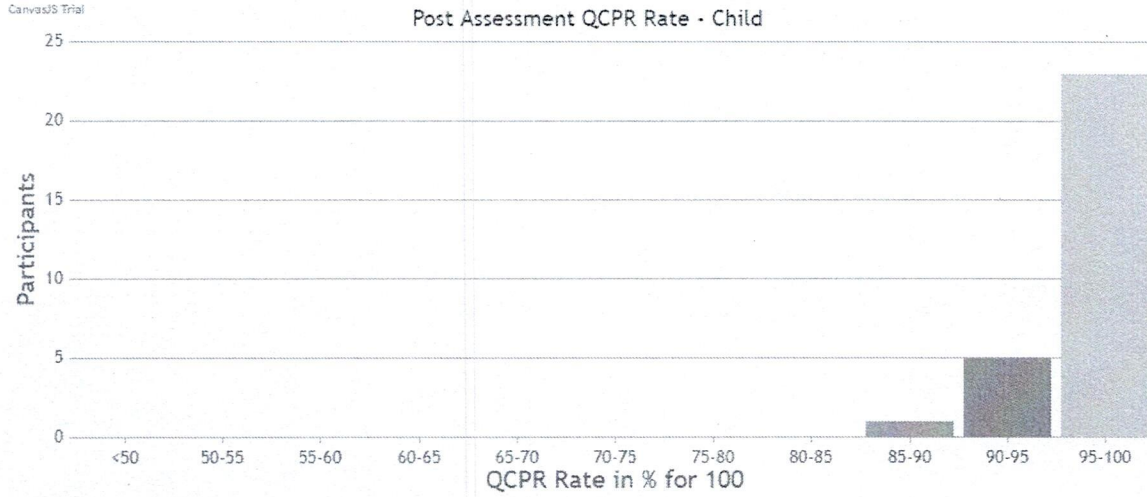
Developed & Guided by: Dr. Anand C. Ramiah, PhD & NCIS, D163, A162, Copyright © 2020-2020 msrmedical.ac.in



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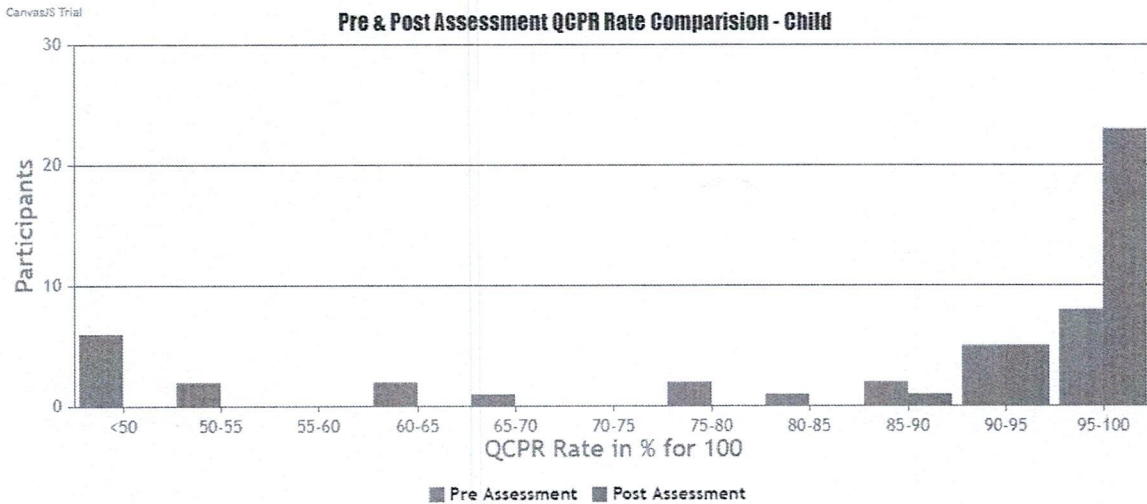
Analytics:



The X axis represents the QCPR Rate in %.

The Y axis represents the number of candidates.

Pre and Post Assessment Comparison graph – Child Compressions



*Maha Gao*  
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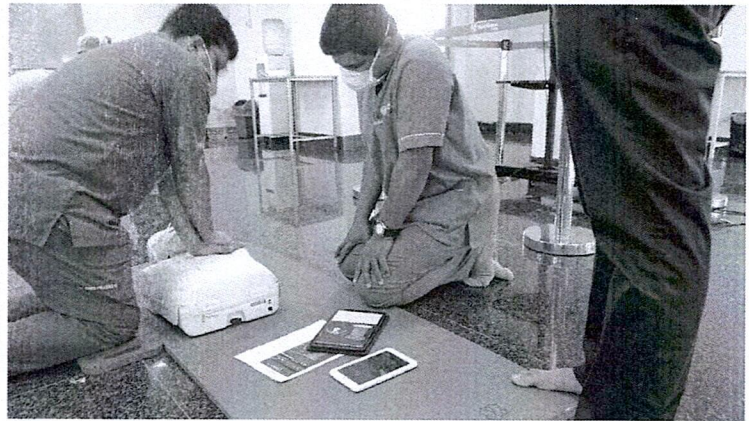
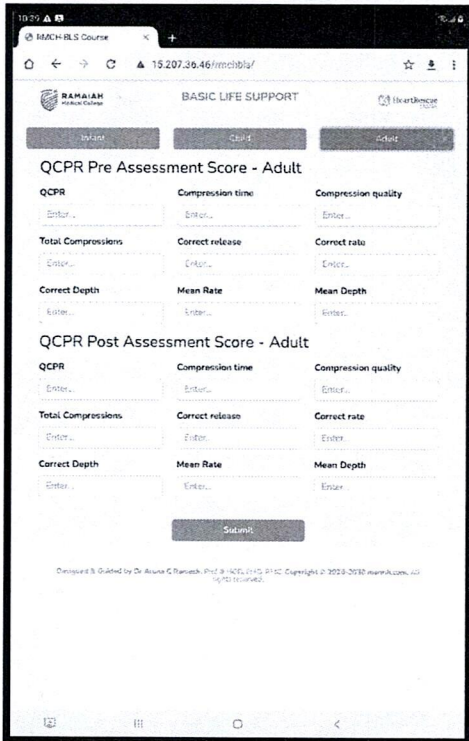
The X axis represents the QCPR Rate in %.

The Y1 axis represents the number of candidates – Pre-Assessment.

The Y2 axis represents the number of candidates – post-Assessment.

➤ **Adult Assessment**

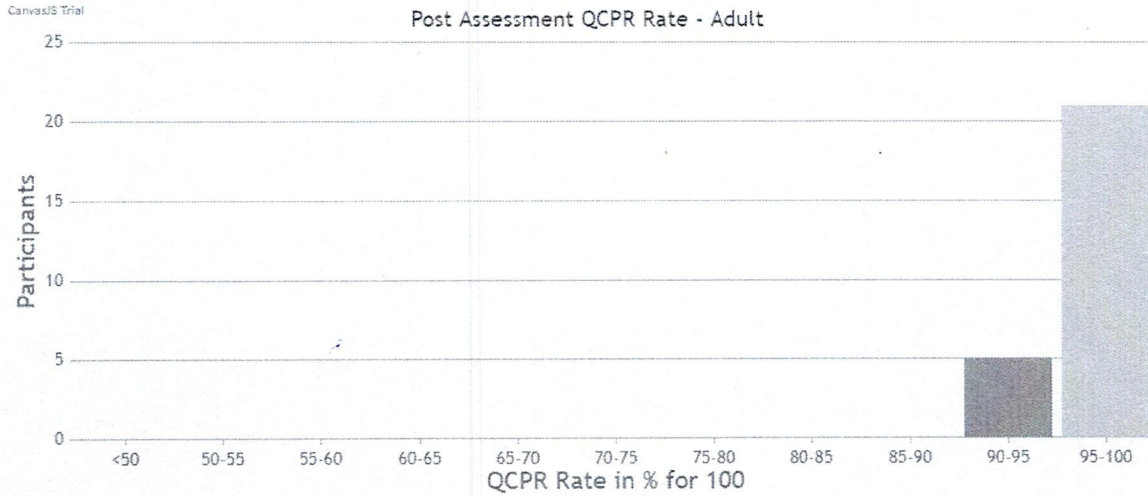
Record the Post-Assessment QCPR parameters.



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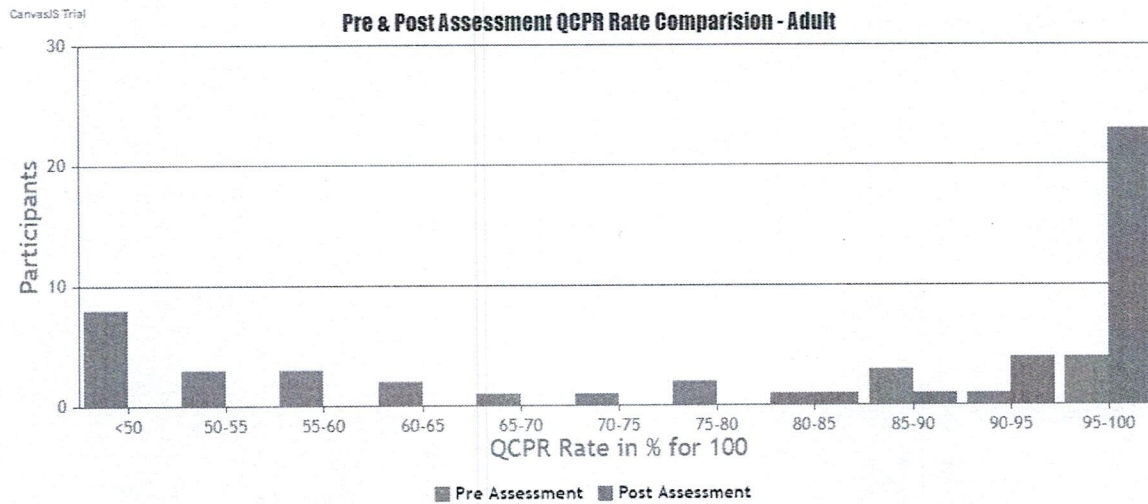
Analytics:



The X axis represents the QCPR Rate in %.

The Y axis represents the number of candidates.

Pre and Post Assessment Comparison graph – Child Compressions



*Maha. Y. Rao*  
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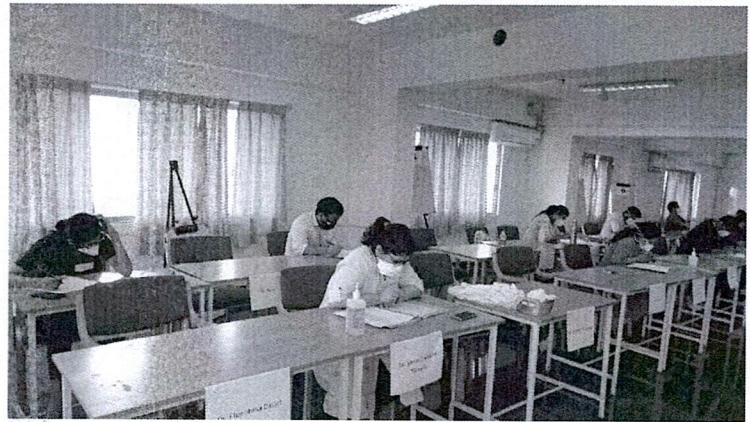
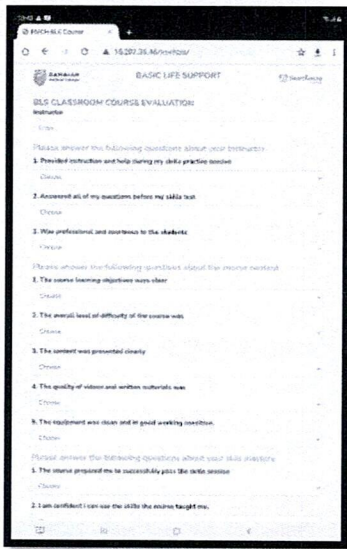
The X axis represents the QCPR Rate in %.

The Y1 axis represents the number of candidates – Pre-Assessment.

The Y2 axis represents the number of candidates – post-Assessment.

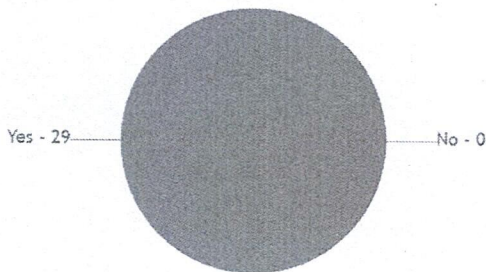
16. BLS Classroom Course Evaluation

The BLS Classroom course evaluation form is made available in the application to be filled by the candidates as shown below.

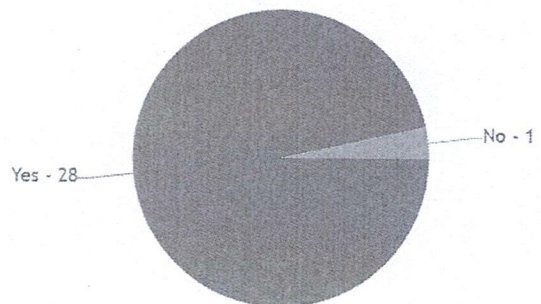


The data analytics are as follows:

My Instructor : Provided instruction and help during my skills practice session



My Instructor : Answered all of my questions before my skills test

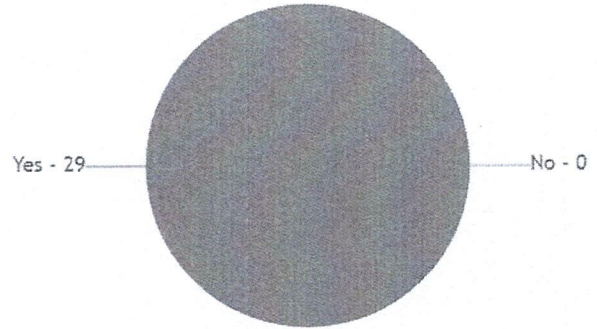
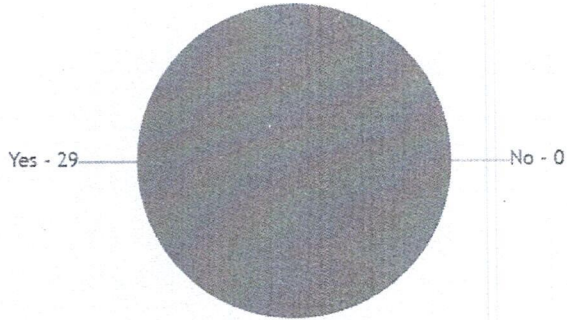


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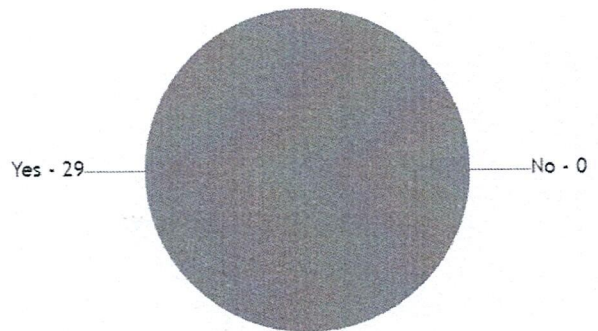
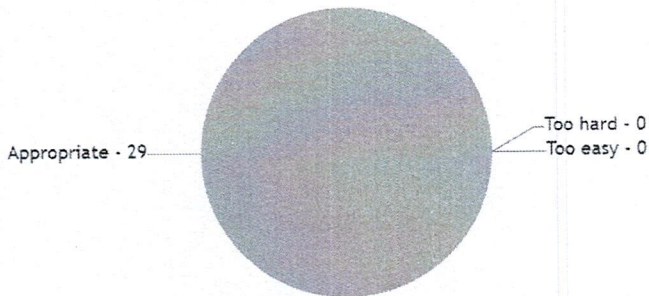
My Instructor : Was professional and courteous to the students

Course Content : The course learning objectives were clear



Course Content : The overall level of difficulty of the course was

Course Content : The content was presented clearly

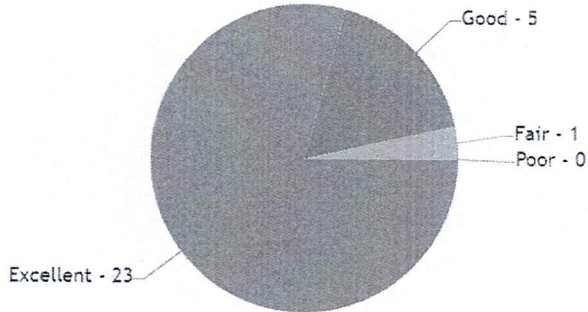


*M. S. Ramaiah*

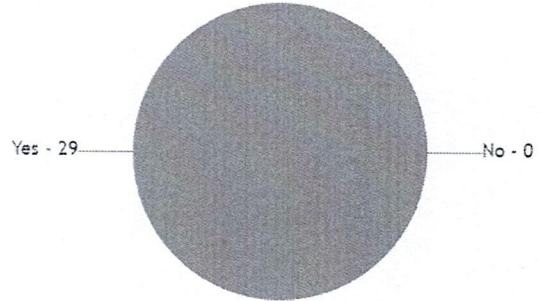
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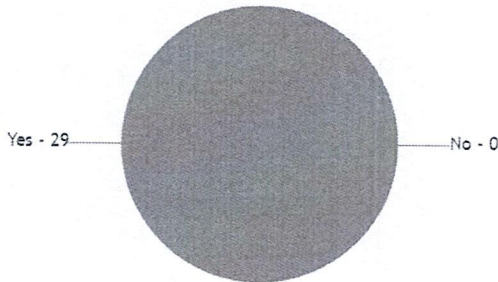
**Course Content : The quality of videos and written materials was**



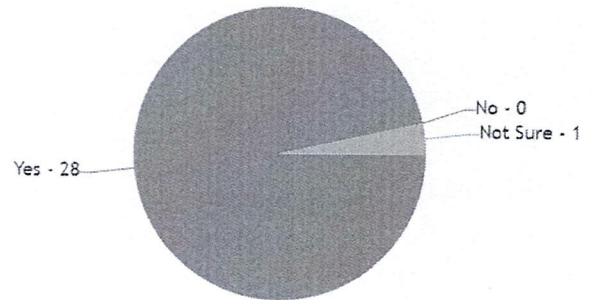
**Course Content : The equipment was clean and in good working condition**



**Skill Mastery : The course prepared me to successfully pass the skills session**



**Skill Mastery : I am confident I can use the skills the course taught me**

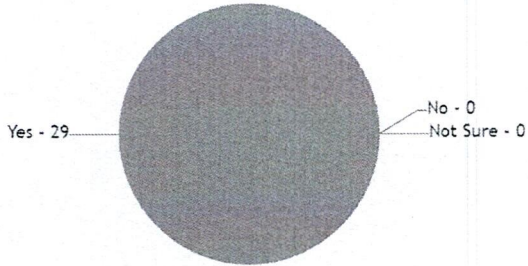


*M. S. Ramaiah*

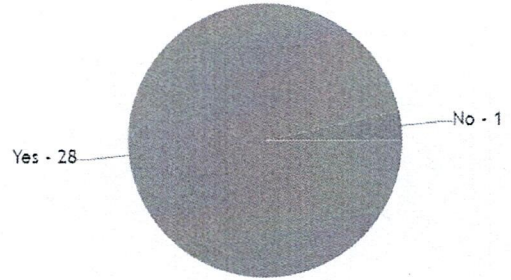
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**Skill Mastery: I will respond in an emergency because of the skills I learned in this course**



**Skill Mastery: I took this course to obtain professional education credit or continuing education credit**



  
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& Teaching Hospital  
Bangalore - 560 054.



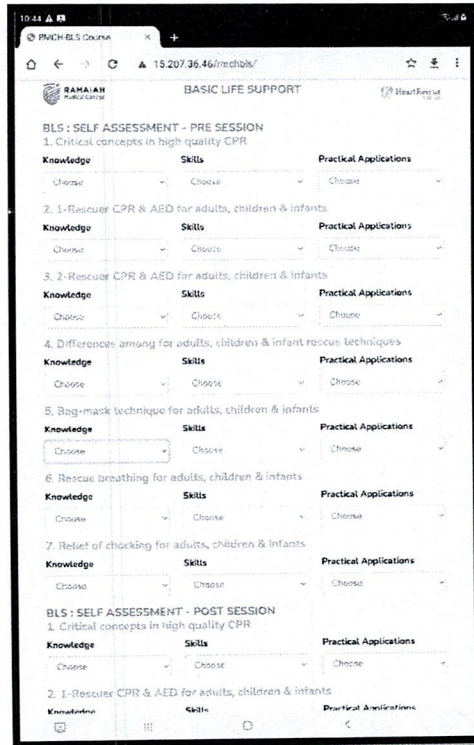
**17. Self-Assessment**

Following feedback data is collected for both Pre-Session and Post-Sessions:

Knowledge				Skill				Practical applications				Topic
Poor	Fair	Good	Excellent	Poor	Fair	Good	Excellent	Poor	Fair	Good	Excellent	Date
												Critical concepts in high quality CPR
												1-Rescuer CPR & AED for adults, children & infants
												2-Rescuer CPR & AED for adults, children & infants
												Differences among for adults, children & infant rescue techniques
												Bag-mask technique for adults, children & infants
												Rescue breathing for adults, children & infants
												Relief of choking for adults, children & infants



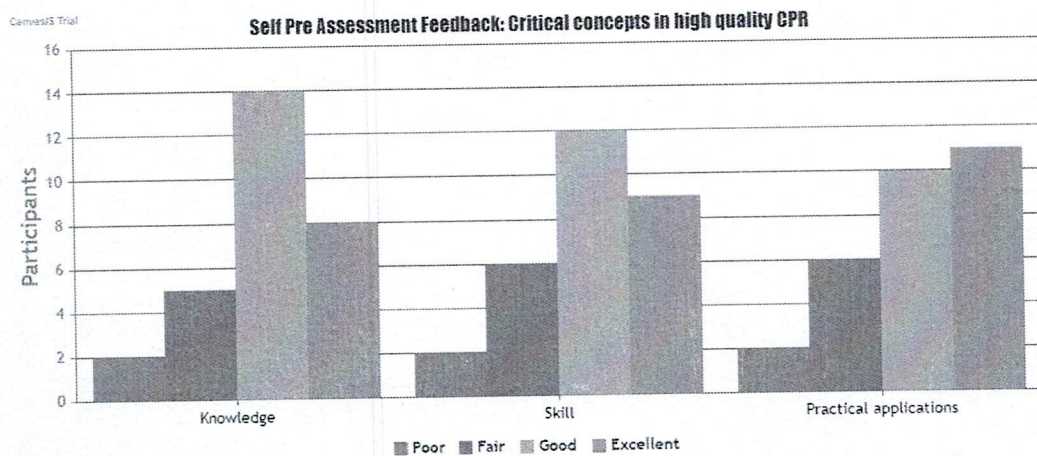
Application Screenshot:



Analytics:

Topic: Critical concepts in high quality CPR

Pre-Session:



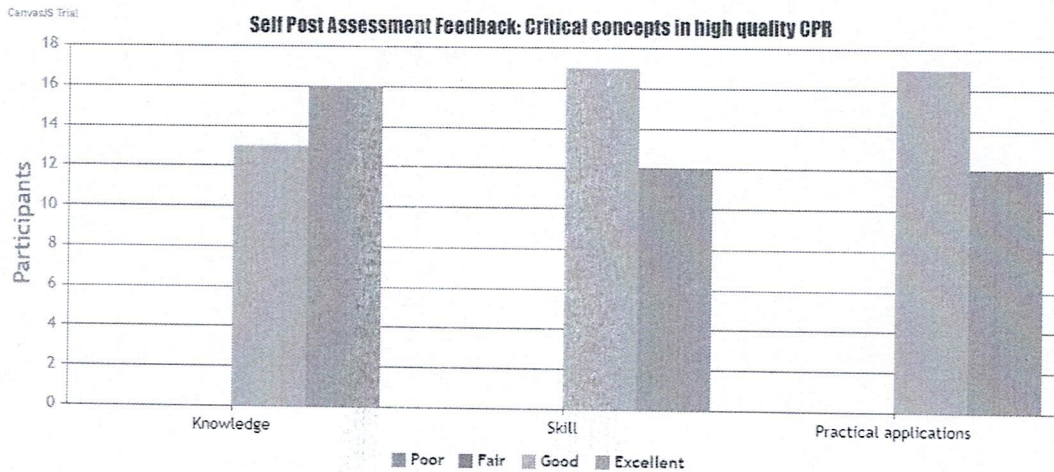
*[Handwritten Signature]*  
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& Teaching Hospital  
Bangalore, Tel: 560 054  
www.msrmc.ac.in



The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:

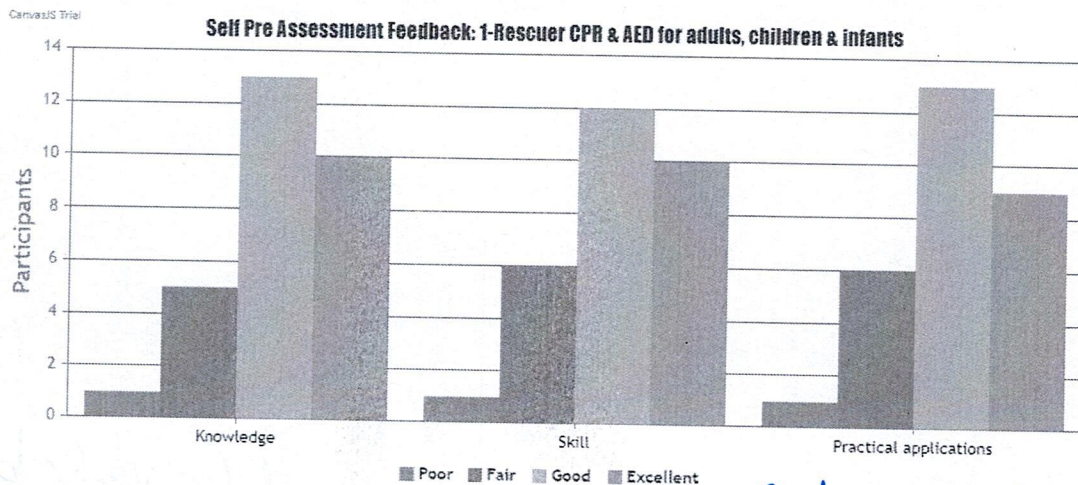


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: 1-Rescuer CPR & AED for adults, children & infants**

Pre-Session:



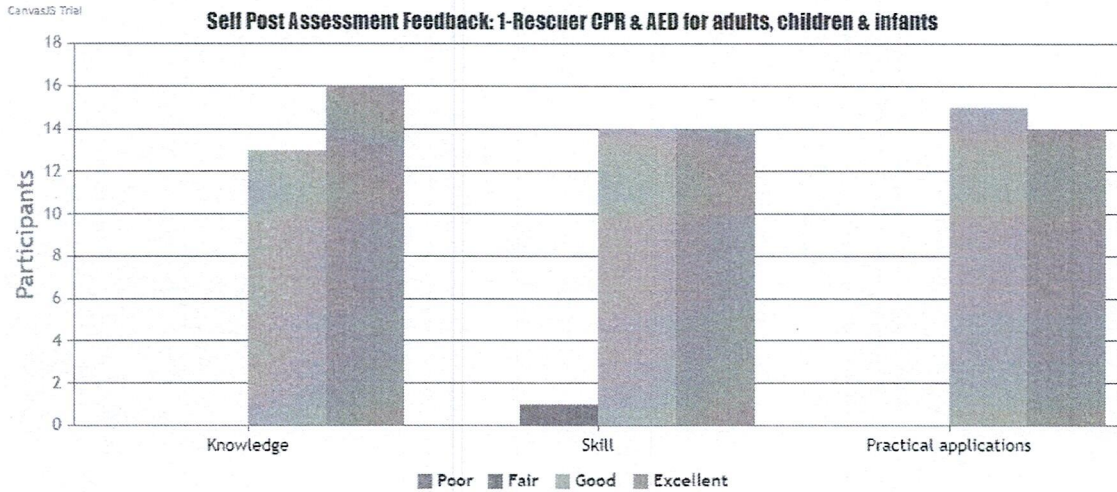
*MOLY/ao*  
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& Teaching Hospital  
Bangalore - 560 054.



The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:

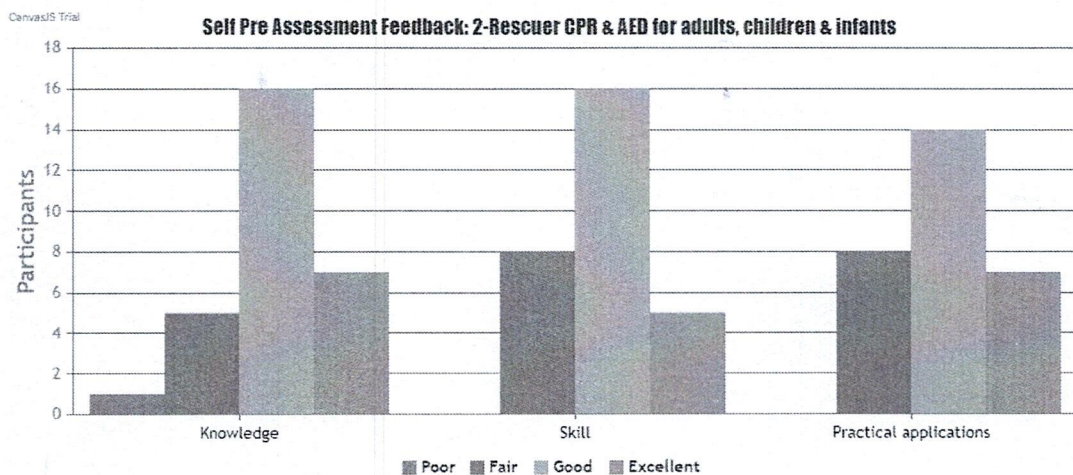


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: 2-Rescuer CPR & AED for adults, children & infants**

Pre-Session:



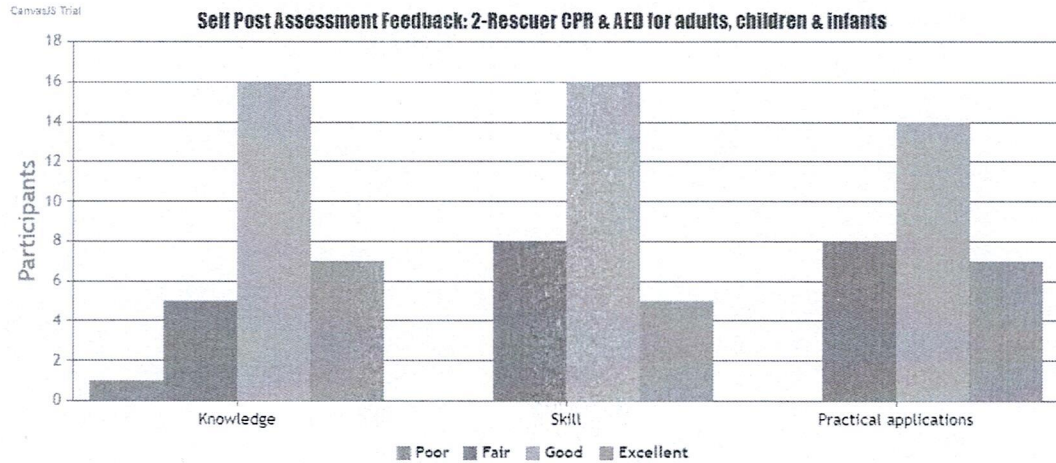
*[Signature]*  
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The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:

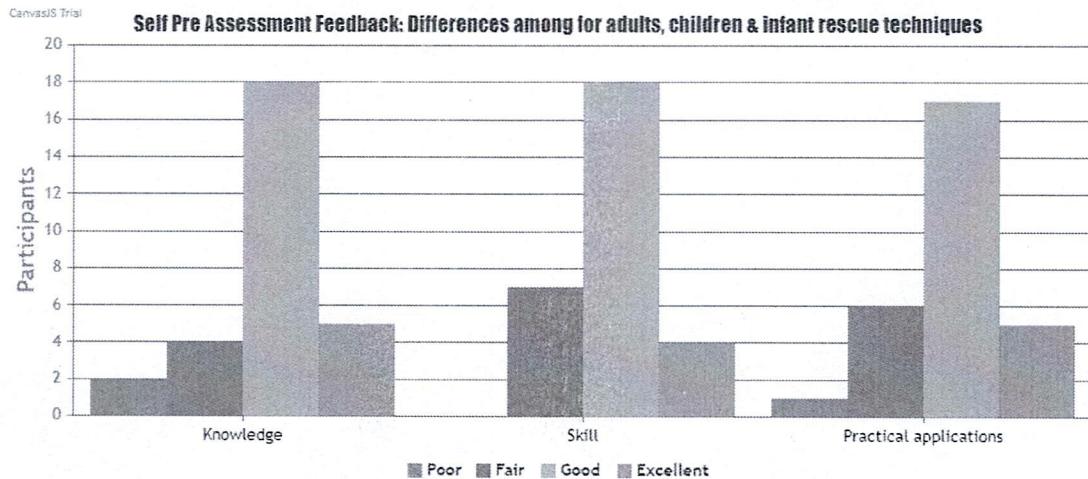


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: Differences among for adults, children & infant rescue techniques**

Pre-Session:



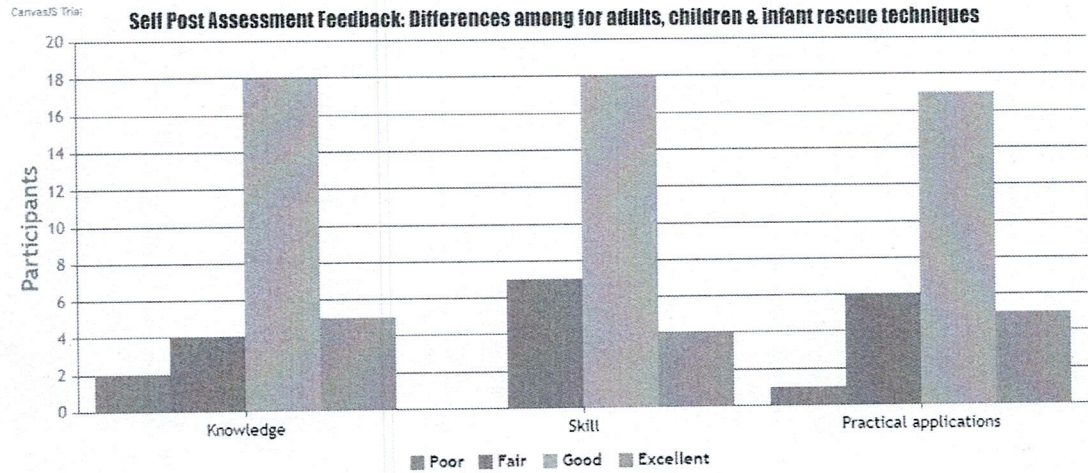
*Handwritten signature: Hooleyao*



The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:

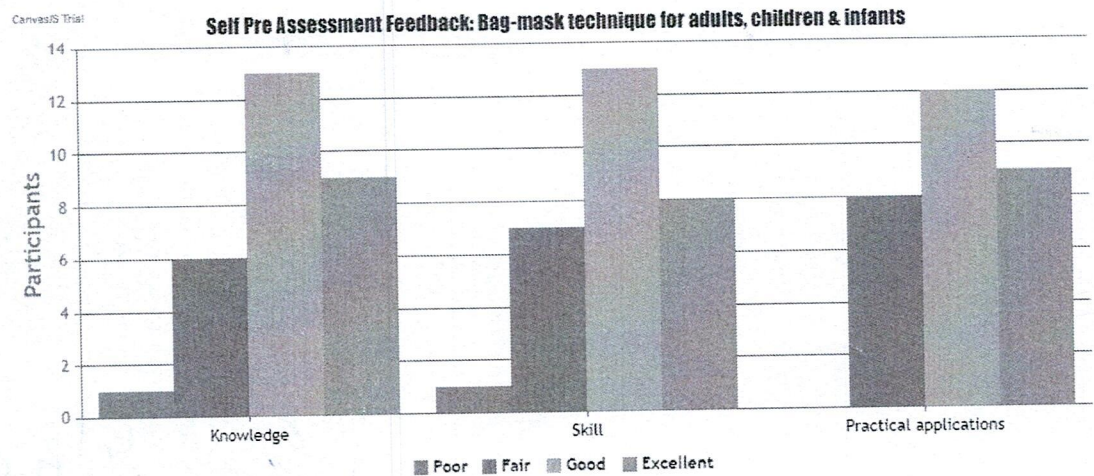


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: Bag-mask technique for adults, children & infants**

Pre-Session:

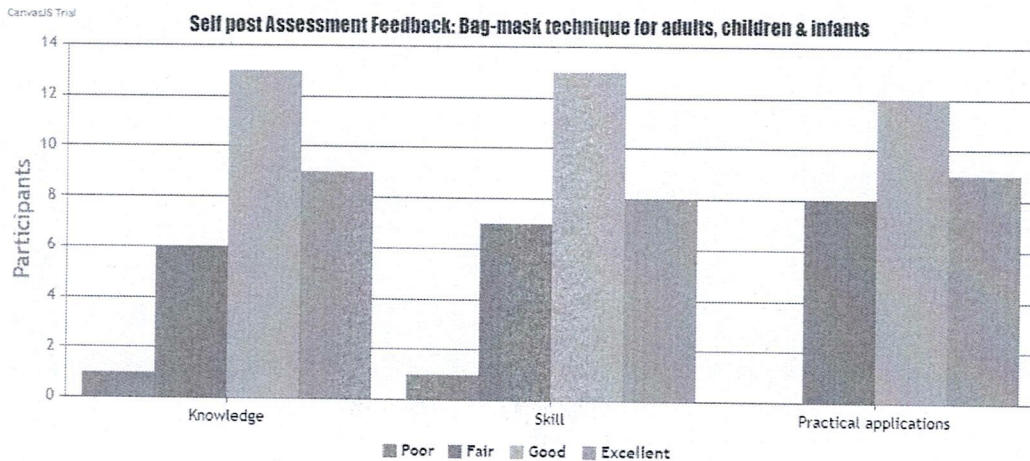




The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:

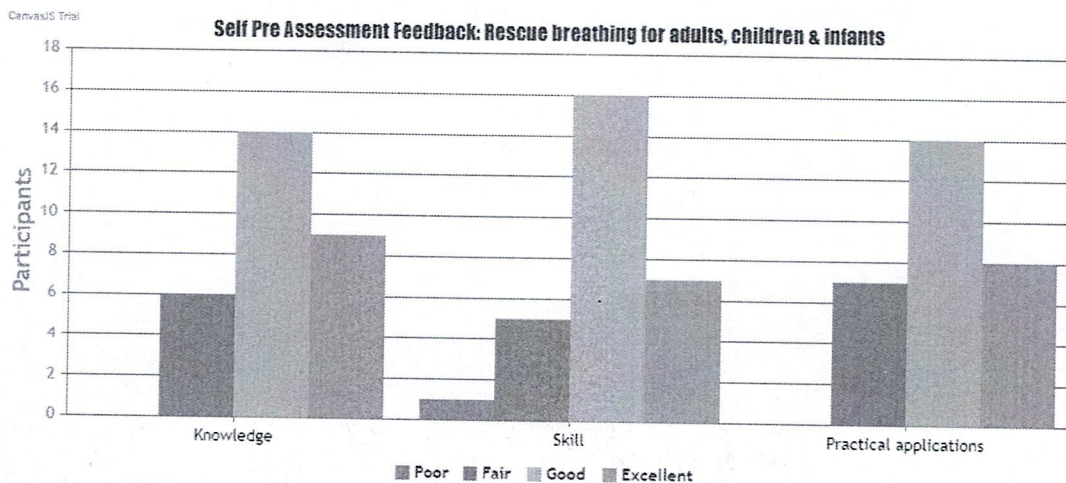


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: Rescue breathing for adults, children & infants**

Pre-Session:



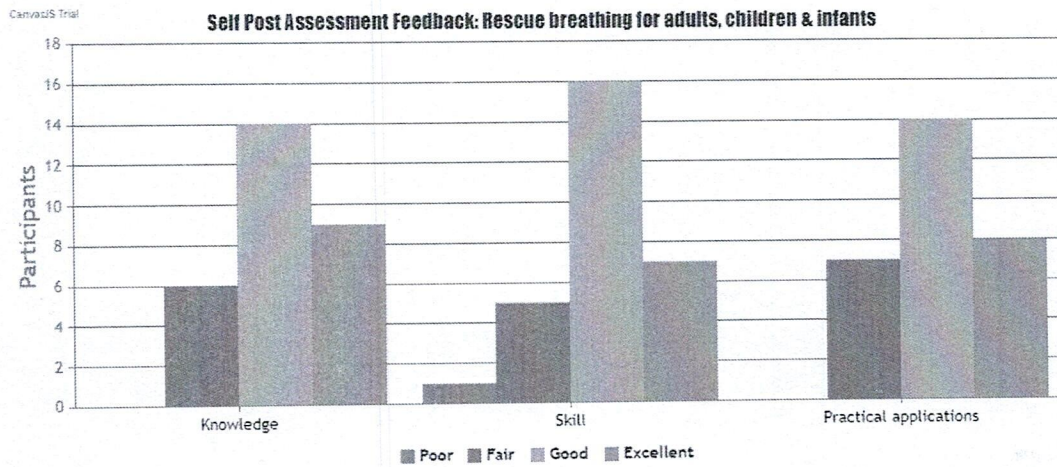
*Handwritten signature: H. L. Rao*



The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Post-Session:**

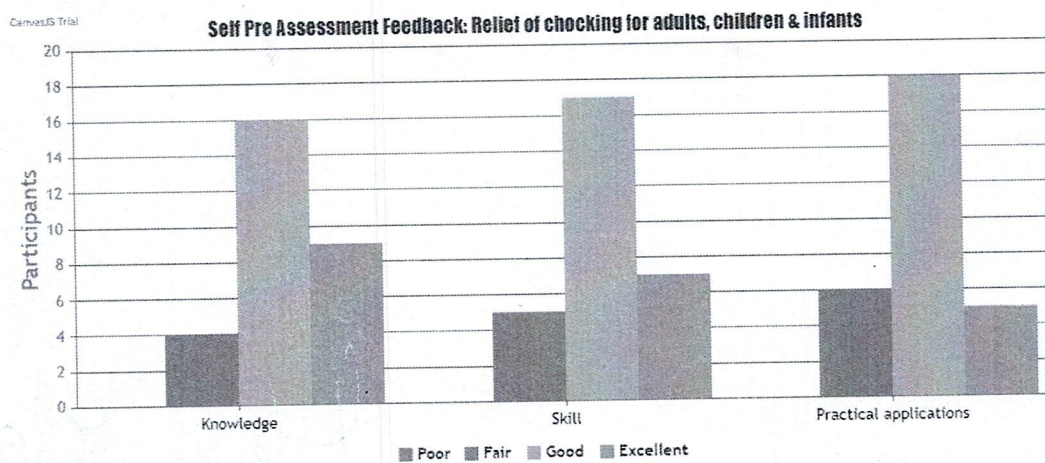


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: Relief of choking for adults, children & infants**

**Pre-Session:**



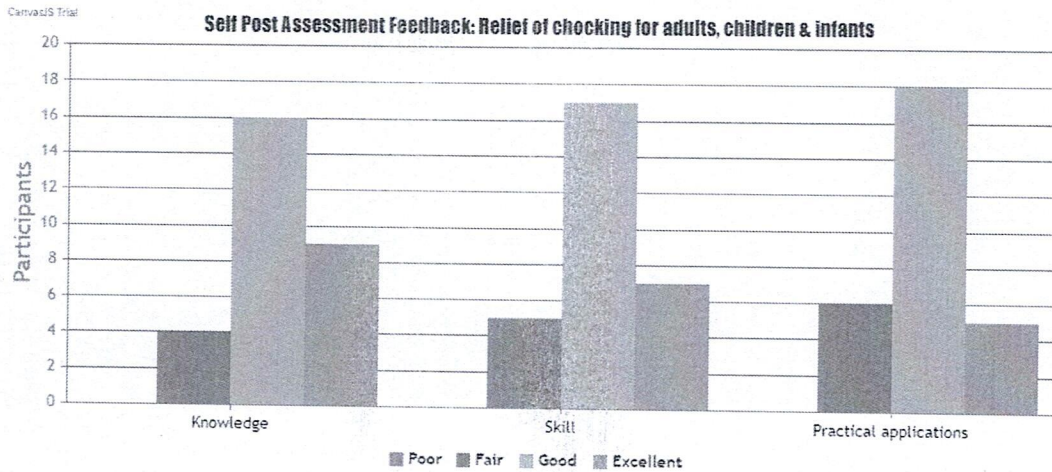
*[Signature]*  
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The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:



*[Handwritten Signature]*  
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**& Teaching Hospital**  
**Bangalore - 560 054.**



The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

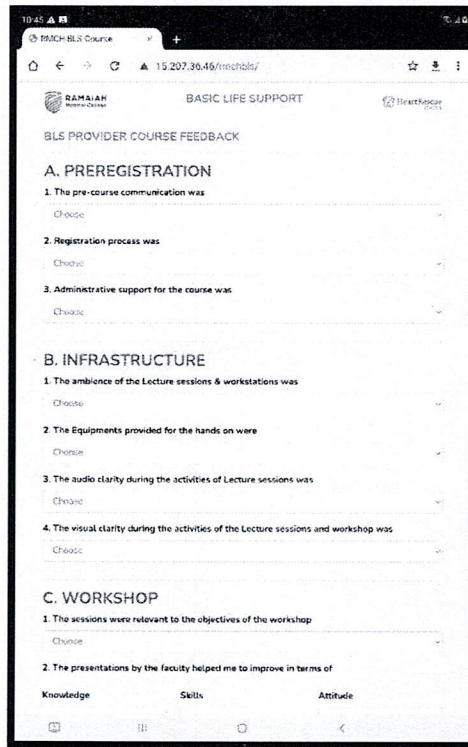
The Y axis represents the number of candidates.

18. Overall Course Feedback

The following Feedback Data is collected:

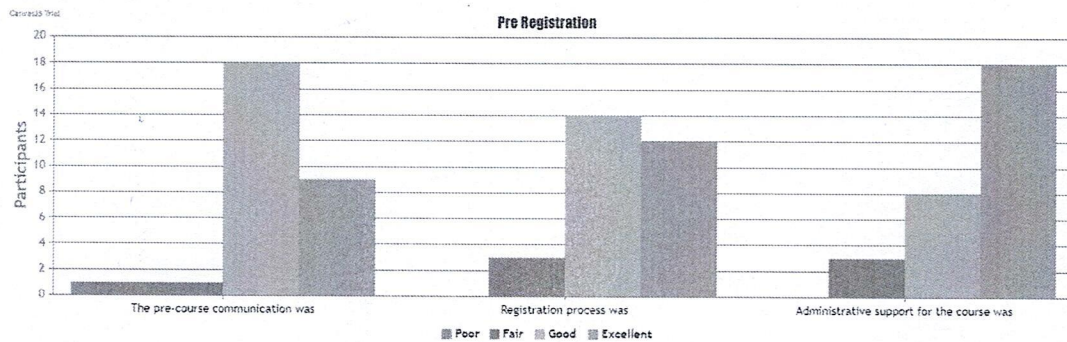
Sl. No	Criteria	Poor	Fair	Good	Excellent					
<b>A</b>	<b>PREREGISTRATION</b>									
1	The pre-course communication was									
2	Registration process was									
3	Administrative support for the course was									
<b>B</b>	<b>INFRASTRUCTURE</b>									
1	The ambience of the Lecture sessions & workstations was									
2	The Equipments provided for the hands on were									
3	The audio clarity during the activities of Lecture sessions was									
4	The visual clarity during the activities of the Lecture sessions and workshop was									
<b>C</b>	<b>WORKSHOP</b>									
1	The sessions were relevant to the objectives of the workshop									
2	The presentations by the faculty helped me to improve in terms of Knowledge									
	Skills									
	Attitude									
3	The interaction with the faculty members was									
4	The quality of the mannequins provided was									
5	The participant: mannequin ratio was									
6	The activities during the workshop was an useful learning experience									
7	A hand out of workshop material was given / received ----- to workshop(Please tick).	During			Prior					
8	Mention <b>three factors that</b> facilitated the learning during the course?									
9	Mention <b>three factors that</b> hindered the learning during the course?									
10	<b>Overall Rating Of The Course On A Score Of 1 (poor) to 10 (Outstanding):</b>									
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>Suggestions:</b>										

Below is the application screenshot:



Analytics:

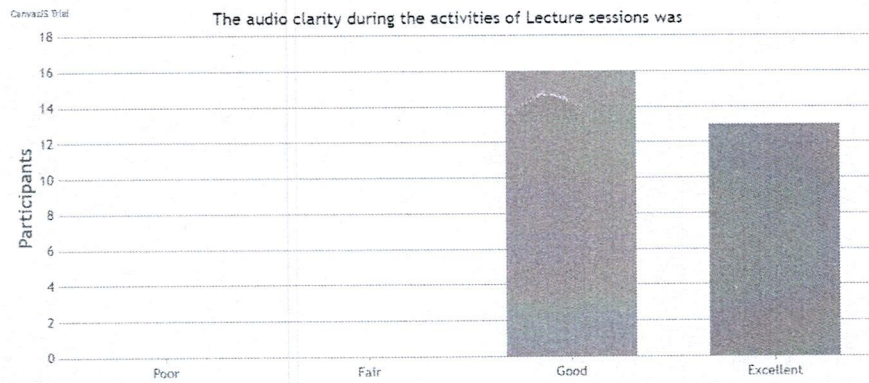
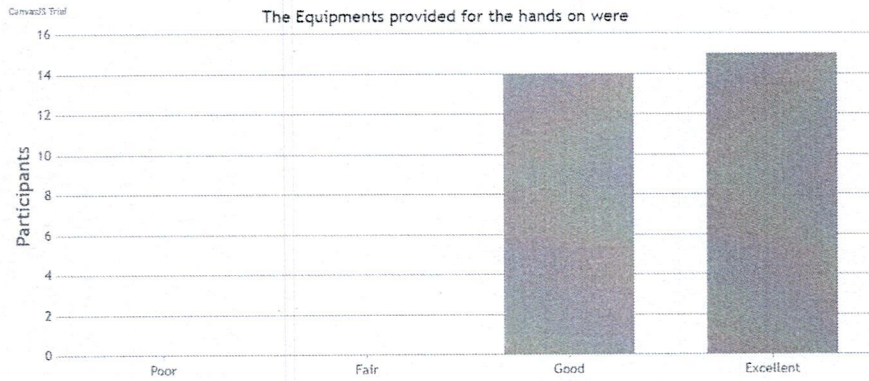
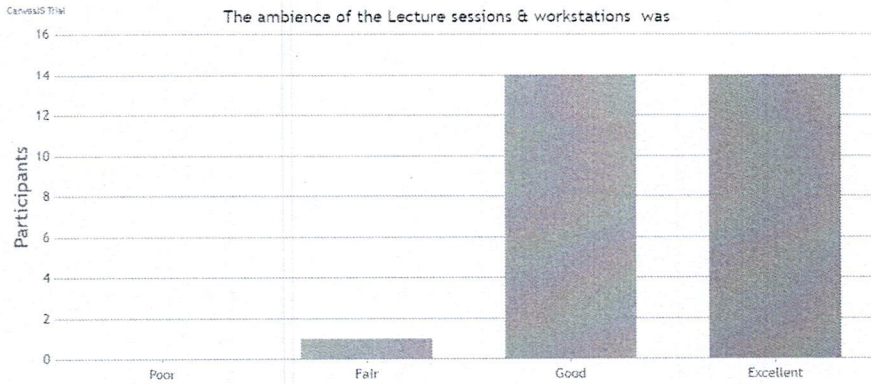
**Pre-Registration:**



*[Handwritten Signature]*  
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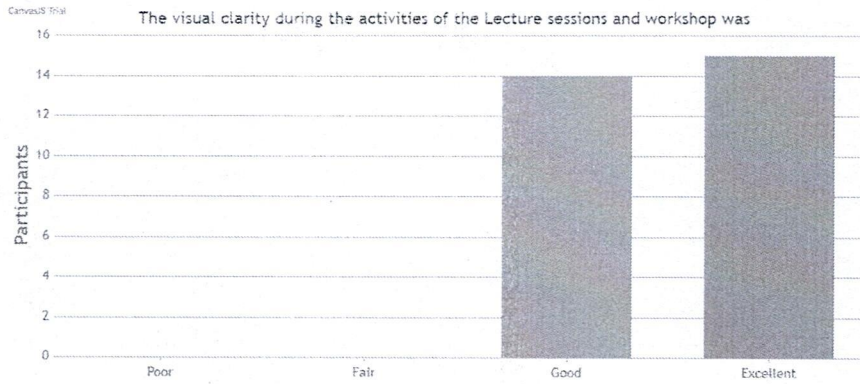


**Infrastructure:**

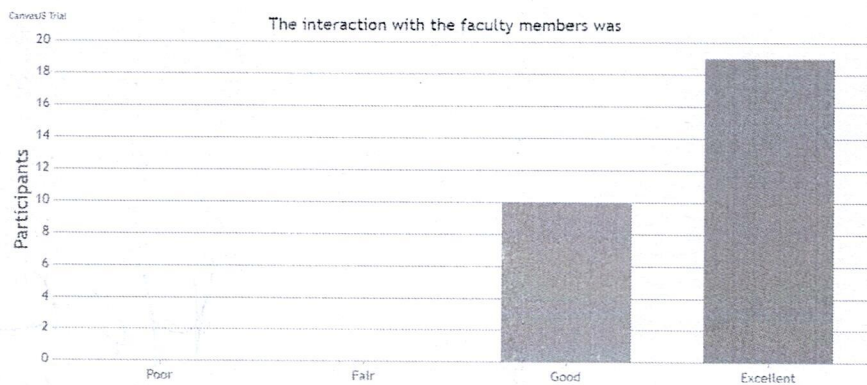
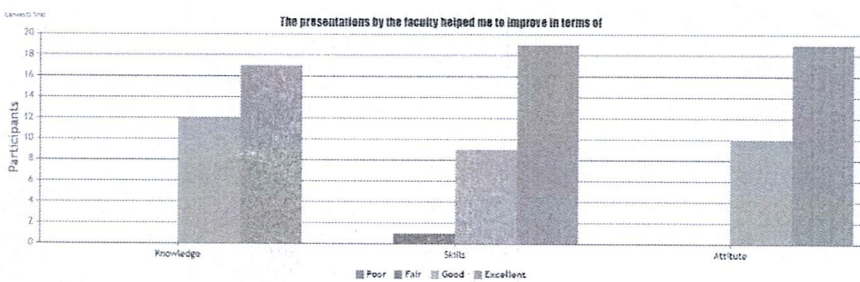
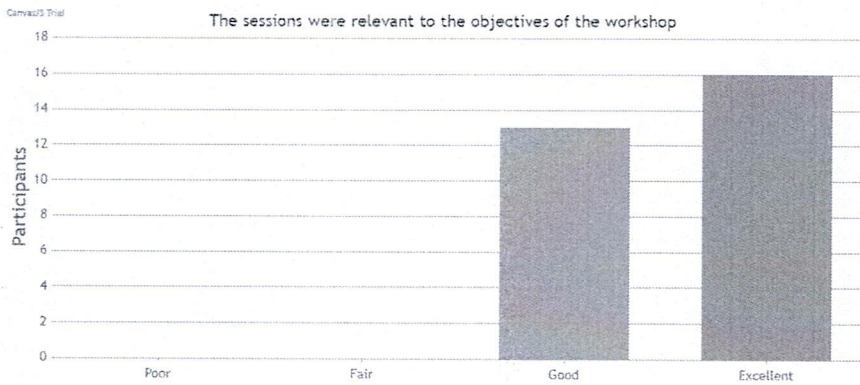


*K. P. L. G. Rao*

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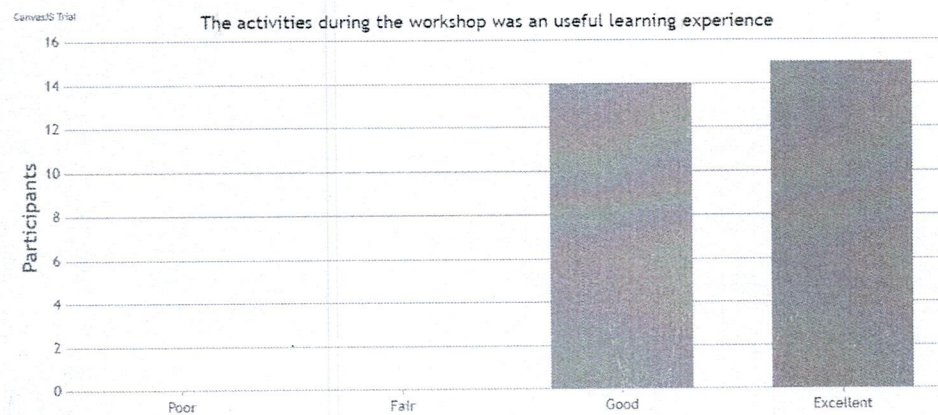
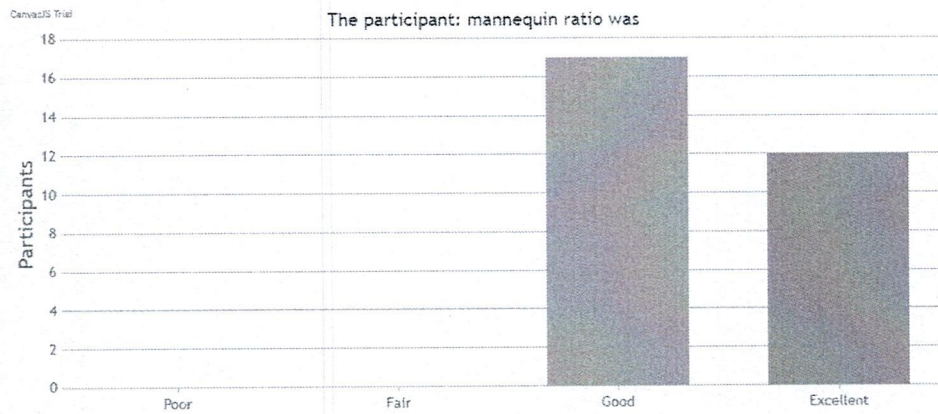
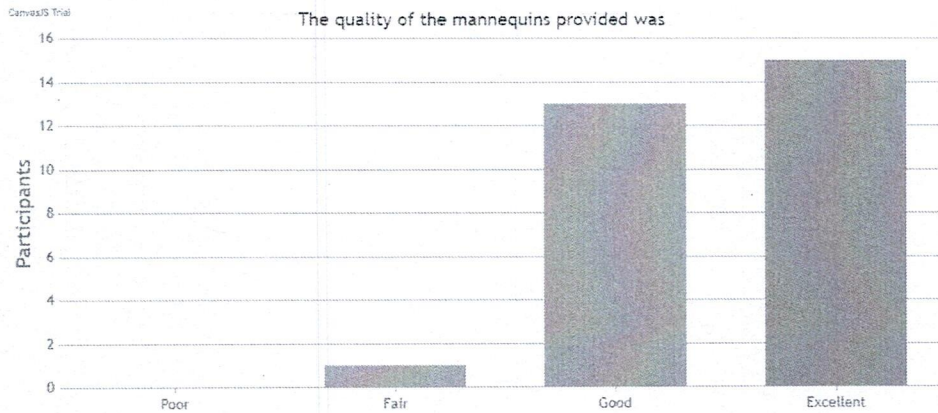


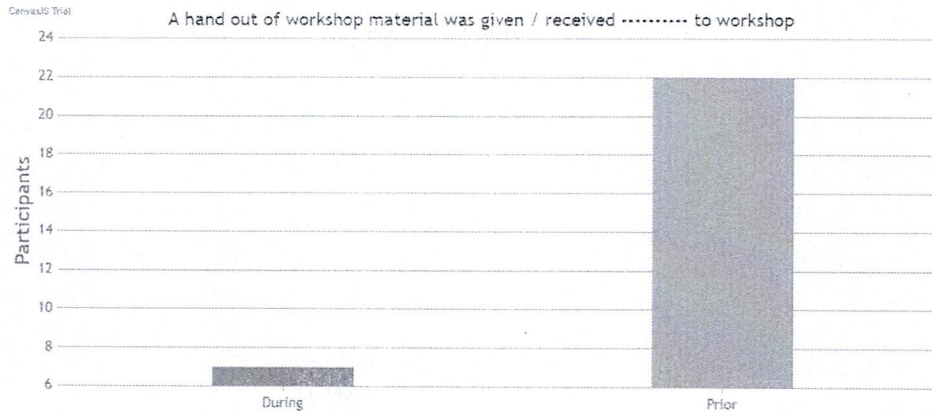
**Workshop:**



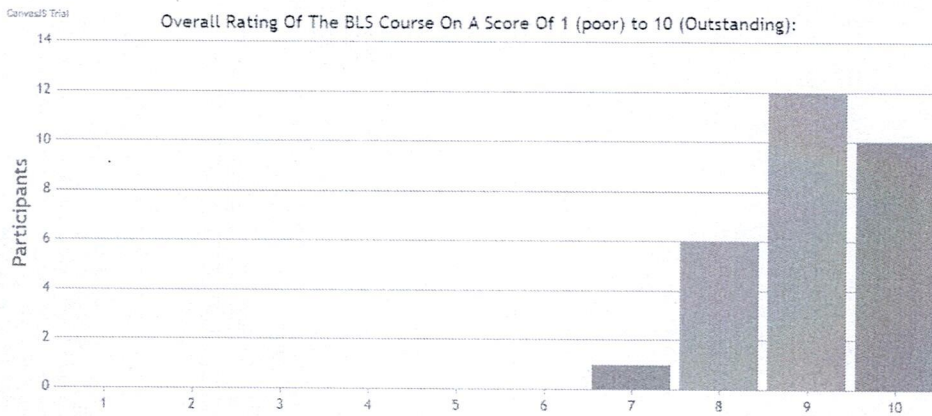
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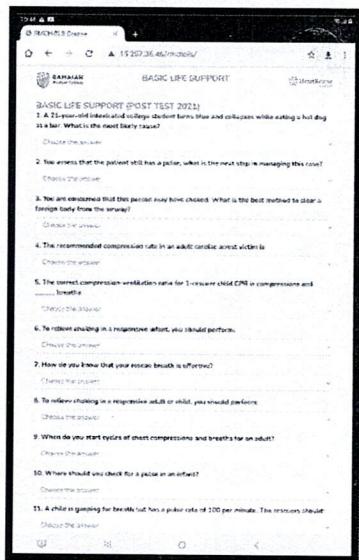


**Overall rating of the BLS course:**



**19. Post Test**

A set on 25 Post-Test Questions were made available to answer, results are as follows:

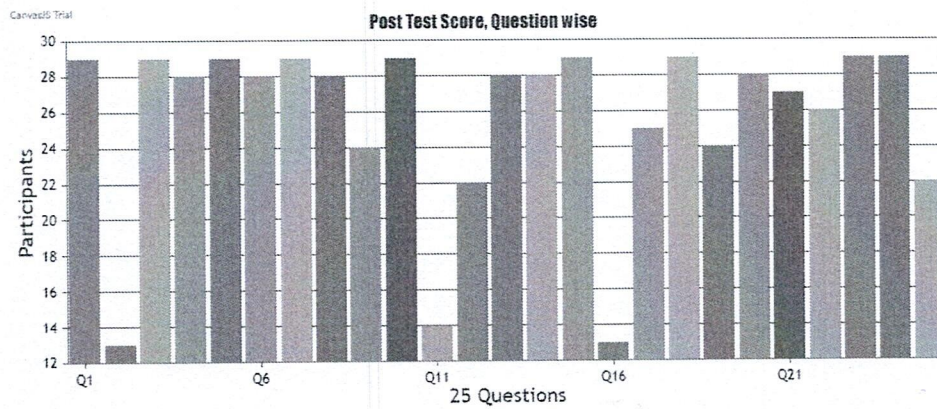
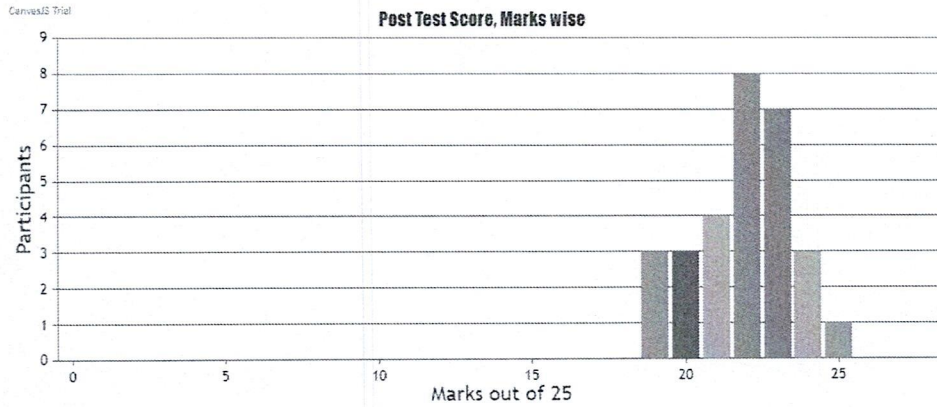


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The X axis represents the marks obtained from 0 to 25.

The Y axis represents the number of candidates who scored marks from 0 to 25.

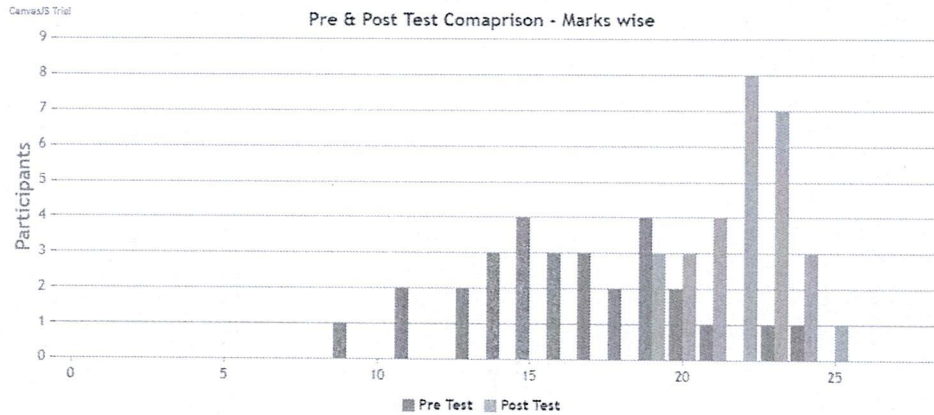


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The X axis represents the questions from 1 to 25.

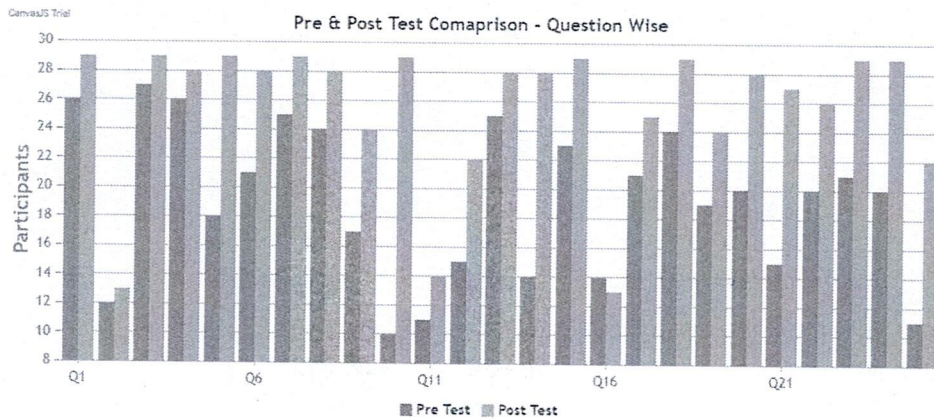
The Y axis represents the number of candidates who answered correctly from questions 1 to 25

The Pre and Post Test Comparison is shown in the following graphs:



The X axis represents the marks obtained from 0 to 25.

The Y axis represents the number of candidates who scored marks from 0 to 25.



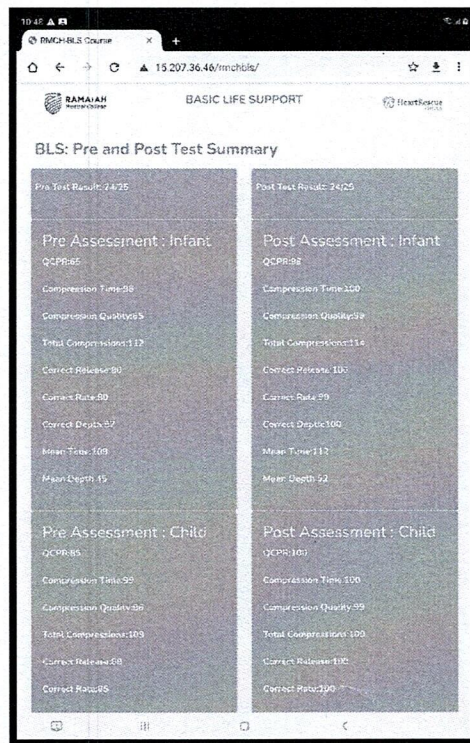
*M. W. L. Rao*  
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**M.S. Ramaiah Medical College**  
**& Teaching Hospital**  
**Bangalore - 560 054**



The X axis represents the questions from 1 to 25.

The Y axis represents the number of candidates who answered correctly from questions 1 to 25

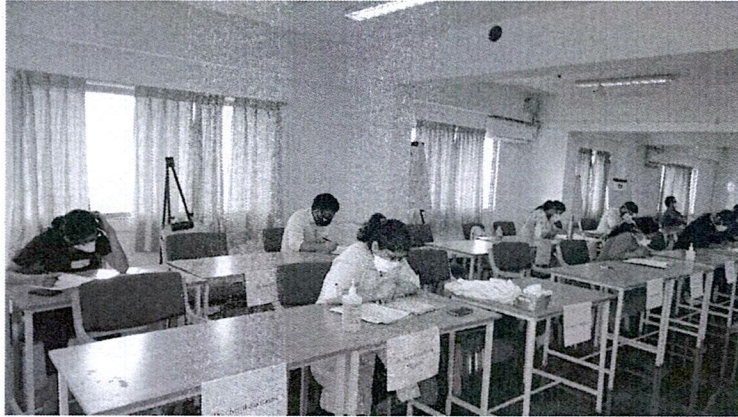
The marks obtained by each candidate is enclosed below.



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20. Theory Examination



21. Practical Examination



22. Result Announcement





23. Feedback and Conclusion



24. Group Photo





## Ramaiah AHA – ITC Basic Life Support Provider Course

**Date:** 28<sup>th</sup> July 2021

**Venue:** IMS 7<sup>th</sup> Floor, Ramaiah Memorial Hospital

### Faculty, Instructors and Supporting Staff list:

Dr. Aruna C Ramesh	Chair- ITC coordinator
Dr. Keshava Murthy M R	Associate Chair
Dr. Prathima	Faculty
Dr. Hariprasad KV	Faculty
Dr. Harish KS	Faculty
Dr. Treepti	Faculty
Dr.Pooja	IP
Sr. Swetha D B	Instructor
Sr. Shanthakumari	Instructor
Br. Dinakar	Instructor
Br. Rakesh	Instructor
Br. Ashok Kumar	Instructor
Ms. Priya Ramesh	Secretary
Mr. Pavan Kumar	IT
Mr. Chandrashekar	Support Staff

### Participants List:

BLS Provider Course Participant List (28th July 2021)		
Group A	Group B	Group C
Dr. Indraja Siripurapu	Dr. Megha G	Dr. Puneet Bansal
Dr. Nivedita Mitta	Dr. Yashaswini N	Dr. Akshay Baid
Dr. Ranjita Hegde	Dr. Deepashree R	Dr. Fathima Shabnam
Dr. Ashima Mutneja	Dr. Kalyani B G	Dr. Sanjana S Raj
Dr. Madhurya Shetty	Dr. Deepthi R H	Dr. Namitha S
Group D	Group E	
Dr. Gangula Rahul Sai	Dr. Varun V	
Dr. Sriramaneni Nikitha	Dr. Kanchan S Madhwapathy	
Dr. Devarsetty Shashank	Dr. Karthik Kolli	
Dr. Ramesh Babu K	Dr. Ronak N Kotian	
Dr. Adithya Vikrama Acharya S S	Dr. Parvati Hiremath	

*Dr. Aruna C. Ramesh*  
**Dr. ARUNA C. RAMESH**  
Prof. & HOD Emergency Medicine  
Ramaiah Medical College & Hospitals



**Course Agenda:**

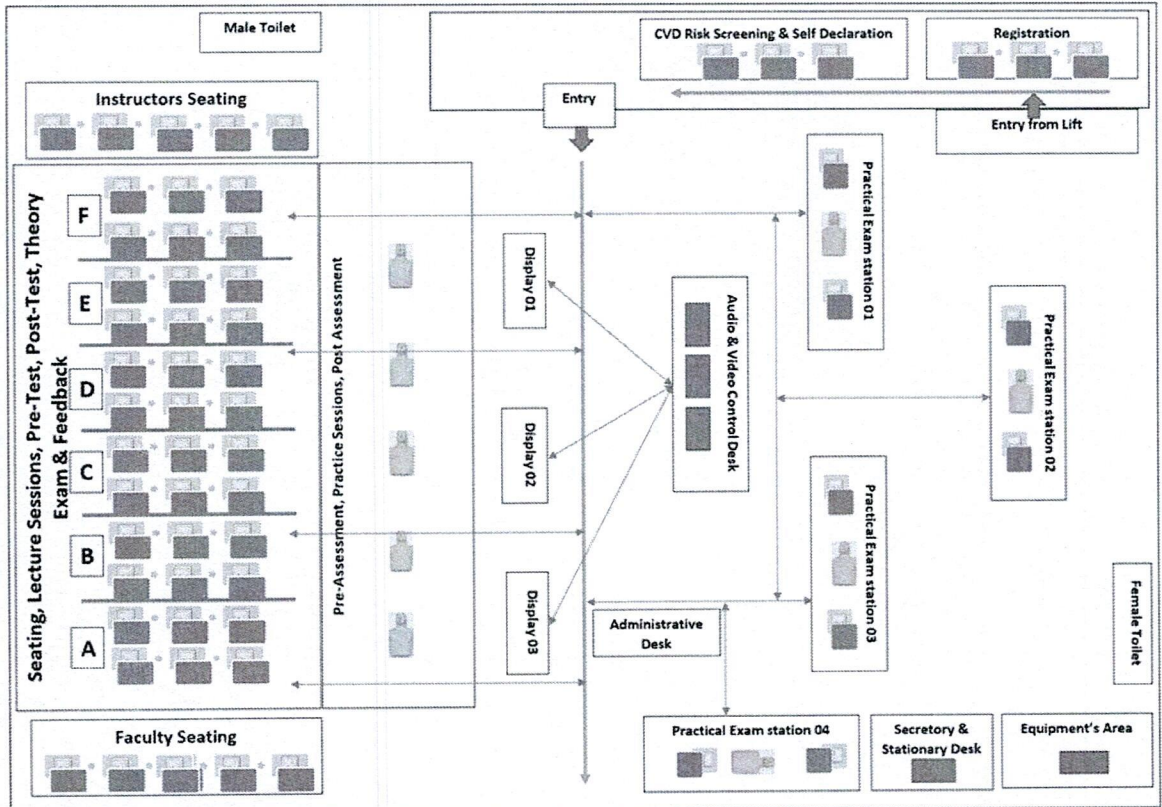
ime	Event	Personal
8.30 AM to 9.30 AM	Registration	Ms. Priya Ramesh
	Self-Declaration	Mr. Chandrashekar, Mr. Pavan
	Risk Assessment	Br. Dinakar, Br. Ashok Kumar
	Pre-Test & Pre-Assessment	Sr. Swetha, Sr Shanthi
9.30 AM to 9.45 AM	Welcome & Introduction	Dr. Aruna C Ramesh
9.45 AM to 11.00 AM	Adult CPR <ul style="list-style-type: none"> <li>➤ Scene Safety</li> <li>➤ Check Response</li> <li>➤ Call for Help</li> <li>➤ Check Pulse</li> <li>➤ Compressions</li> <li>➤ Open Airway</li> <li>➤ Breathing</li> </ul>	Dr. Aruna C Ramesh
11 AM to 11.15 AM	Tea/Coffee Break	
11.15 AM to 12.30 PM	AED <ul style="list-style-type: none"> <li>➤ Overview</li> <li>➤ Demonstration</li> <li>➤ Practice</li> </ul>	Dr. Keshava Murthy M R
12.30 PM to 1.00 PM	Child CPR <ul style="list-style-type: none"> <li>➤ Scene Safety</li> <li>➤ Check Response</li> <li>➤ Call for Help</li> <li>➤ Check Pulse</li> <li>➤ Compressions</li> <li>➤ Open Airway</li> <li>➤ Breathing</li> </ul>	Dr. Harish KS
1.00 PM to 1.30 PM	Lunch Break	
1.30 PM to 2.30 PM	Infant CPR <ul style="list-style-type: none"> <li>➤ Scene Safety</li> <li>➤ Check Response</li> <li>➤ Call for Help</li> <li>➤ Check Pulse</li> <li>➤ Compressions</li> <li>➤ Open Airway</li> <li>➤ Breathing</li> </ul>	Dr. Harish KS
2.30 PM to 3.00 PM	Choking <ul style="list-style-type: none"> <li>➤ Adult – Conscious, Unconscious</li> <li>➤ Child – Conscious, Unconscious</li> <li>➤ Infant – Conscious, Unconscious</li> </ul>	Dr. Prathima
3.00 PM to 3.15 PM	Team Dynamics	Dr. Aruna C ramesh
3.15 PM to 5.00 PM	Written Examination, Testing Station	
5.00 PM to 5.30 PM	Post-Test, Post-Assessment, Feedback and Conclusion	


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**Sessions:**

**1. Course Infrastructure Plan**

The detailed course plan is shown in the below.



American heart Association provided us the BLS course video which is shown to the participants every session following with the lecture and practice sessions. We used three 55” TVs to display the videos which were connected to the central computer which have access to AHA BLS video content.

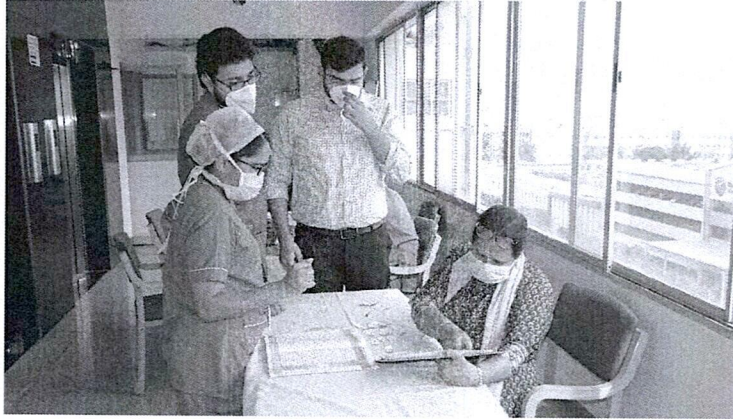
To improve the audio in the room we used dual speaker and mic system. A portable pocket mic was given to each faculty which was connected to the speaker via Bluetooth to enhance the audio quality.

We used three kinds of mannequins. Infant, Child and Adult mannequins which are all Bluetooth enabled and were capable of giving the compressions feedback visualization when connected to the tablet or smart phone with an application inside. Each mannequin was provided with a Samsung tablet in which QCPR training application is installed (discussed in details in the Pre and Post CPR assessment sections).

We used Laerdal and Philips AED’s (Automated External Defibrillator) for hands on practice.



## 2. Registration



During the registration the participants Name, Phone Number and Email ID are collected for the further communication and to submit to generate the E-Certificate which will be send via email to the participants. The Stickers with the participant's name are issued to each participant to display on shirt top

## 3. CVD Risk Assessment

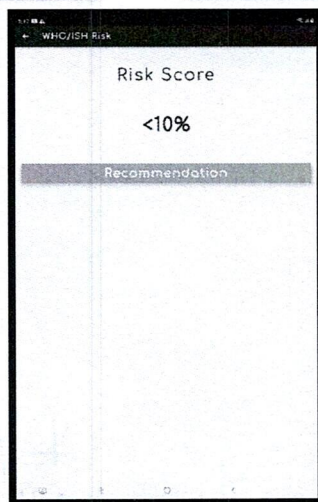
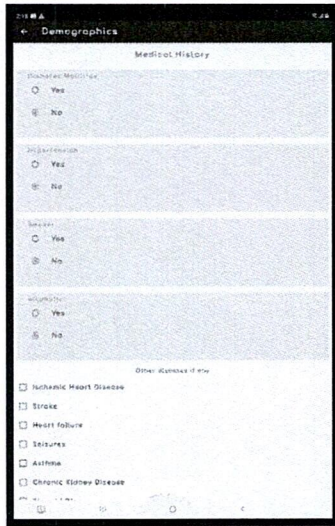
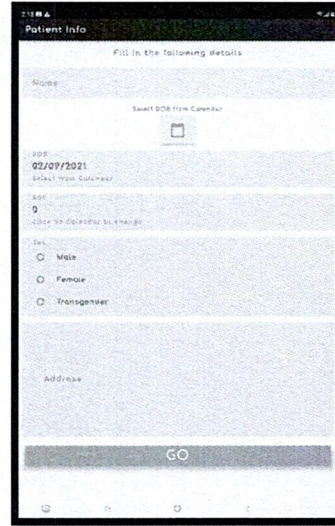
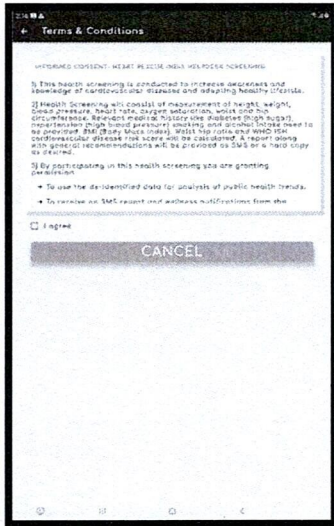
All the participants underwent for Risk Assessment. The participant's vitals were recorded along with questionaries' regarding risk factors and comorbidities using the mobile application as shown below.

The application will calculate show the end result as WHO CVD Risk Score.



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**& Teaching Hospital**  
**Bangalore - 560 054.**

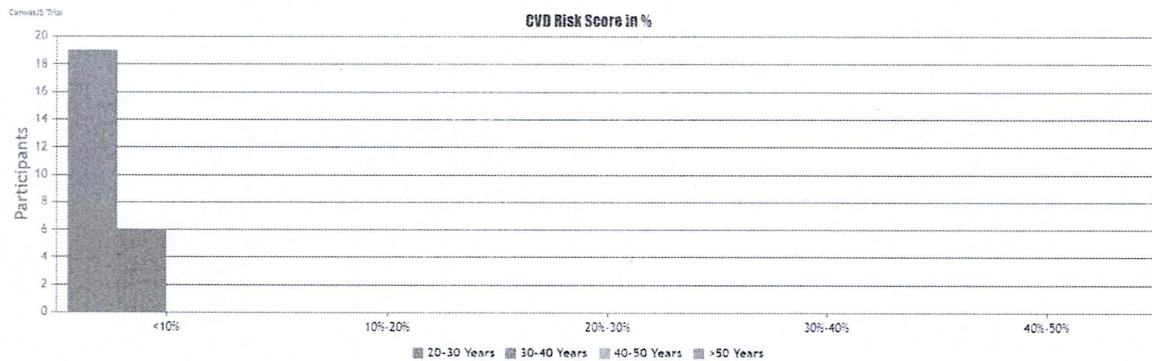




*Meha G Rao*  
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**CVD Risk Assessment Statistics:**



**4. Self-Declaration**

Due to Covid pandemic all the participants underwent basic Covid screening process. A web application is developed in which the following details of the participants are recorded and as a final result, the application will automatically categories in to Covid suspected or not based on the details provided by the participants. The application screenshots are shown below.

*[Handwritten Signature]*  
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**& Teaching Hospital**  
**Bangalore - 560 054.**

### Self-Declaration (At the entry IMS 7th Floor)



*[Handwritten Signature]*

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➤ Demographic data

The QR code is made available at the screening area to scan from the participant phone to assess the application.

The demographic data collected as shown below

Name, Phone, Email, Age, Gender, Address

➤ Contact History

❖ The participant contact history was collected as below.

❖ Participated in an event

❖ Do you have any of these symptoms?

Fever, Cough, Shortness of Breath or Other Respiratory Symptoms

❖ Contact with ILS patient

❖ Contact with COVID-19 patient

❖ Working in Hospital

❖ Working in COVID care center

❖ Name of Hospital/Healthcare Facility

❖ Designation

❖ Contact Person Details

❖ Name of Contact Person

❖ Phone

❖ Address

➤ Travel History

❖ Have you been recently travelled in the last 28 days?

❖ Place of Departure

❖ Date/Time

❖ Place of Arrival

❖ Date/Time

❖ Address

❖ Place of Departure

❖ Date/Time

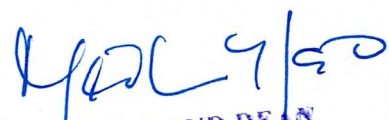
❖ Place of Arrival

❖ Date/Time

  
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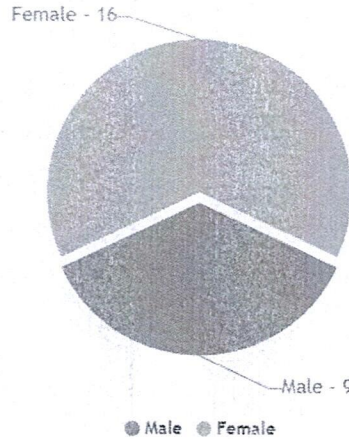
- ❖ Address
- ❖ Mode of Transportation
- ❖ Ship, Flight, Train, Bus, Private Vehicle or Others
- Symptoms
  - ❖ Fever Chills, Sweating, Persistent Chest Pain/Pressure
  - ❖ Running Nose, Sore Throat, Loss of smell
  - ❖ Cough, Productive, Breathlessness
  - ❖ Nausea, Vomiting, Diarrhea
  - ❖ Generalized Weakness, Bluish Discoloration of lips/face
  - ❖ Irritability/Confusion, not able to arose
  - ❖ Pain: Muscular, Abdominal, Chest Joint
  - ❖ Or any Others
- Co-Morbidities  
COPD, Chronic renal disease, Bronchitis, Malignancy, Diabetes, Hypertension, Asthma, Pregnancy, Post-partum (>6 weeks), Liver disease, Chronic neurological or neuromuscular disease, Immunocompromised condition including HIV, TB, None or any Others
- Final Impression
  - ❖ Covid Suspected or Not



  
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**Total Participants: 25**



Analytics:

<b>Total Participants</b>	<b>25</b>
<b>Contact History</b>	<b>0</b>
<b>Travel History</b>	<b>0</b>
<b>Symptoms</b>	<b>0</b>
<b>Co-Morbidities</b>	<b>0</b>

A web application is developed to answer the following sections:

1. Pre-Test questions
2. Post-Test questions
3. Record Pre-Assessment QCPR Score
4. Record Post-Assessment QCPR score
5. Self-Assessment feedback
6. Course evaluation form
7. Over all course feedback

This digital platform was created to avoid the paper work and secure the data. And also, this database helps us to run the analytics in an easy way.

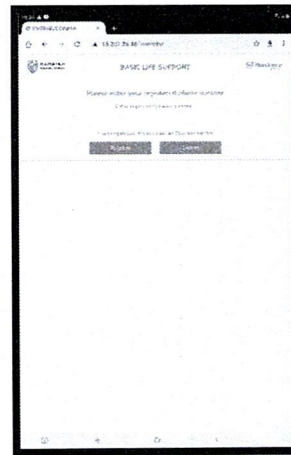
Each component of the application is discussed in the following sections.

*HedLg/a*  
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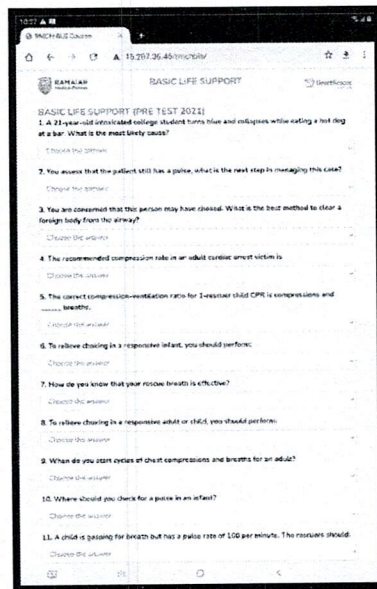
5 PRE TEST

Create a login to the application using the phone number.

Sign in to the application using phone number.



Attend the Pre-Test Questions, total 25 objective type questions.



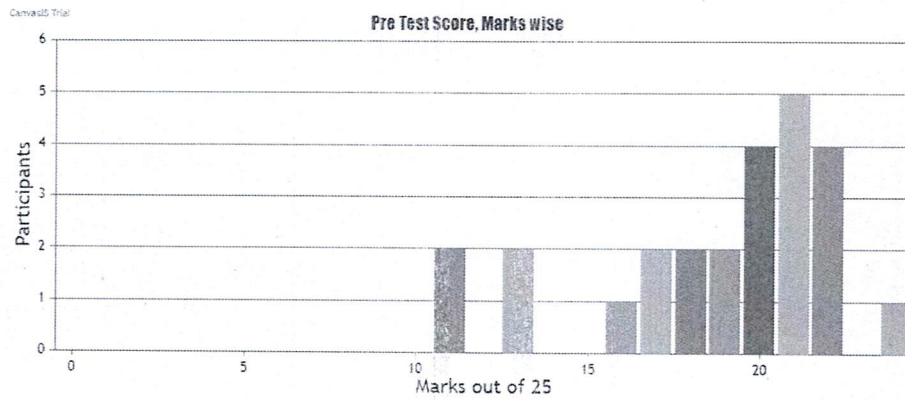
A set on 25 Pre-Test Questions were made available to answer.

The Pre-Test questions are as follows and same are available for the Post Test after the lecture sessions and data is analyzed based on the before sessions and after sessions.

*[Handwritten Signature]*  
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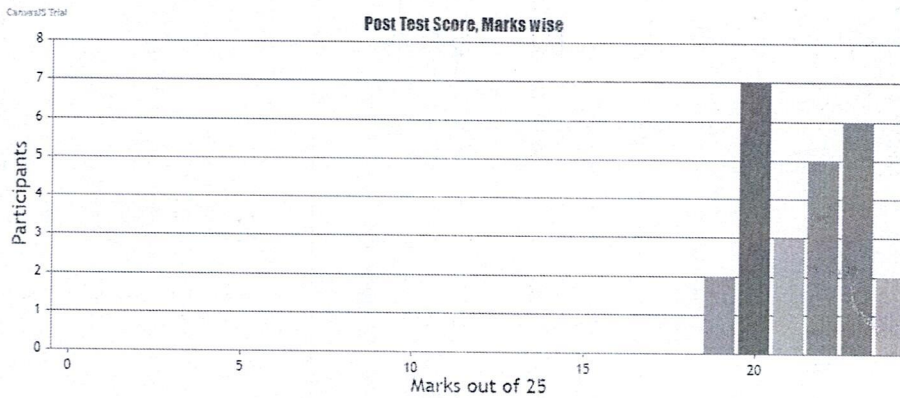


Analytics:



The X axis represents the marks obtained from 0 to 25.

The Y axis represents the number of participants.



The X axis represents the questions from 1 to 25.

The Y axis represents the number of candidates who answered correctly from questions 1 to 25.

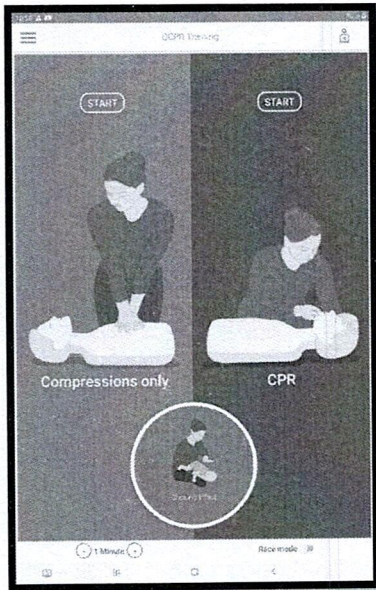
*[Handwritten Signature]*

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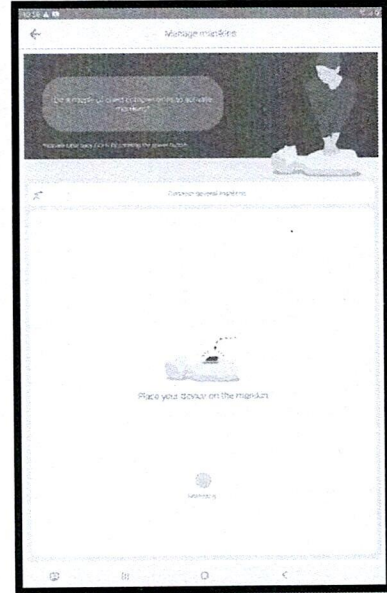
**5. Pre-Assessment**

As the mannequins are Bluetooth enabled, the CPR feedback can be visualized in the Smart phone or Tablet using the QCPR training application installed. The application screen is shown as below.

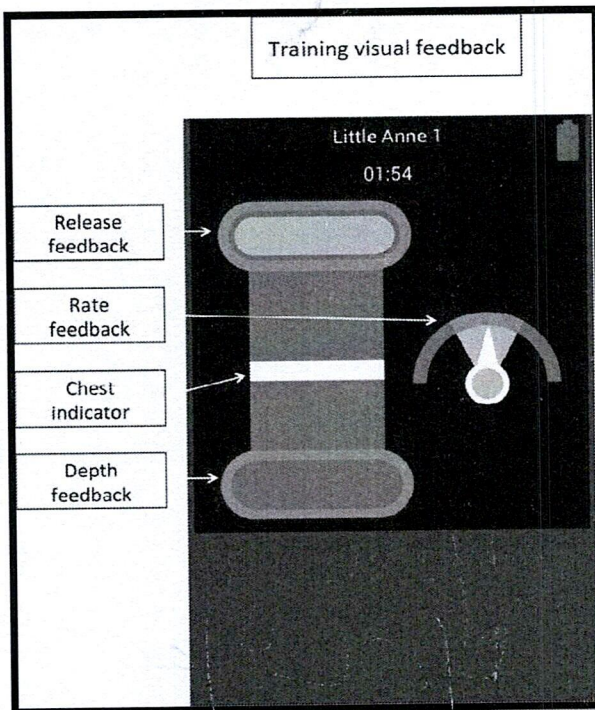
**Main Screen of the application:**



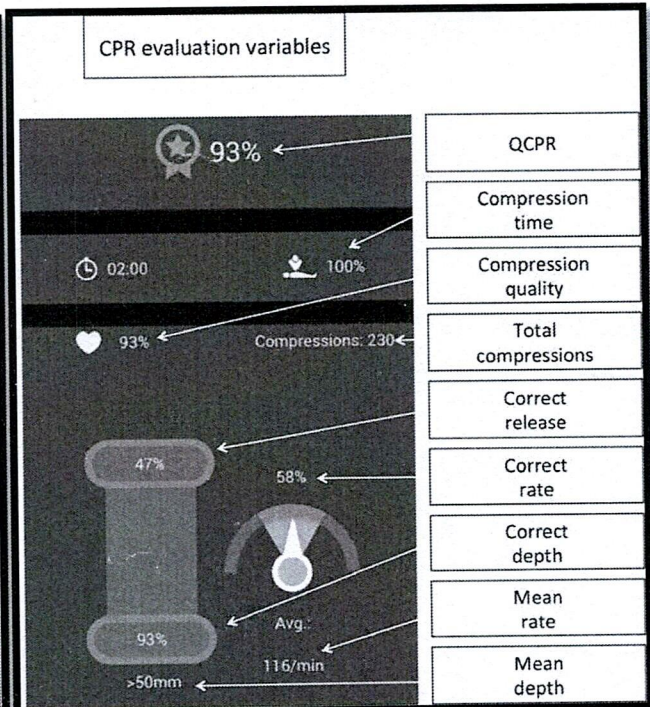
**Connect to the mannequin:**



**During the compressions:**



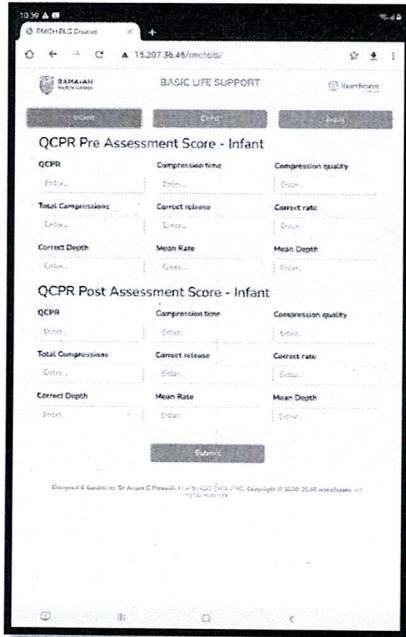
**QCPR Results:**



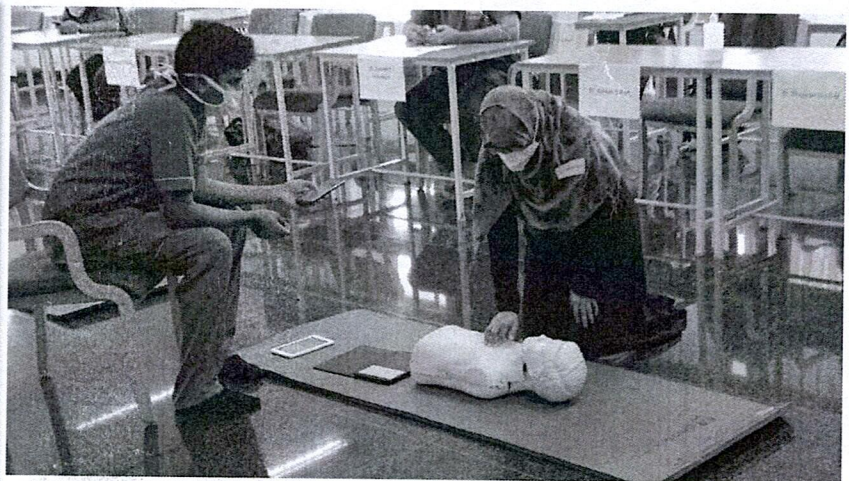
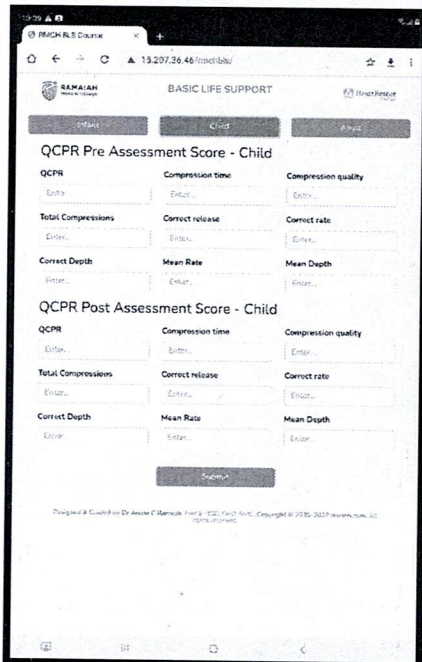
*[Handwritten Signature]*  
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➤ Infant Compressions:  
Record the Pre-Assessment QCPR parameters.



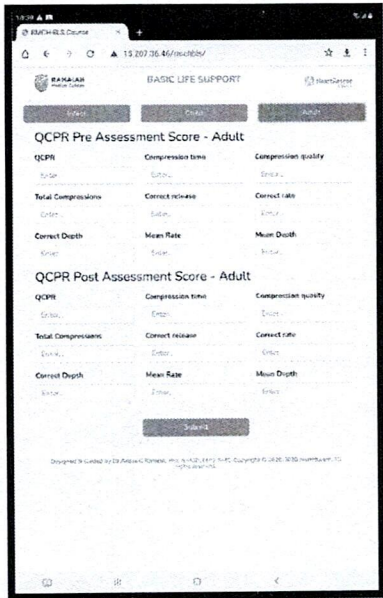
➤ Child Compressions:  
Record the Pre-Assessment QCPR parameters.



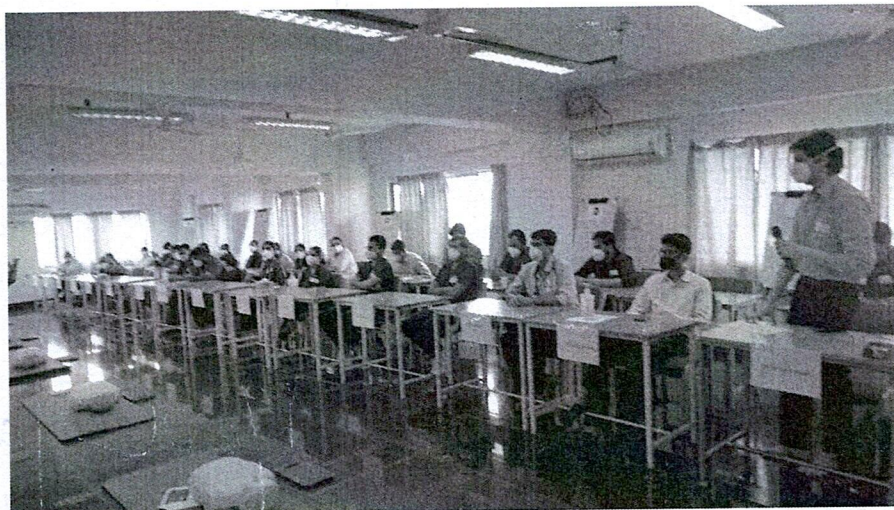
*[Handwritten Signature]*  
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- Adult Compressions  
Record the Pre-Assessment Q CPR parameters.



6. Course Introduction and Disclaimer

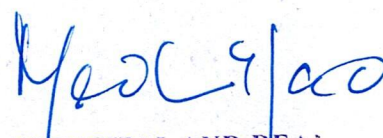




7. 1-Rescuer Adult BLS

- Instruction: Adult Chains of Survival, Scene Safety and Assessment, Adult Compressions
- PWW: Scene Safety Assessment and Adult Compressions
- Instruction: Pocket Mask
- PWW: Pocket Mask
- Instruction: 1-Rescuer Adult
- PWW: 1-Rescuer Adult BLS

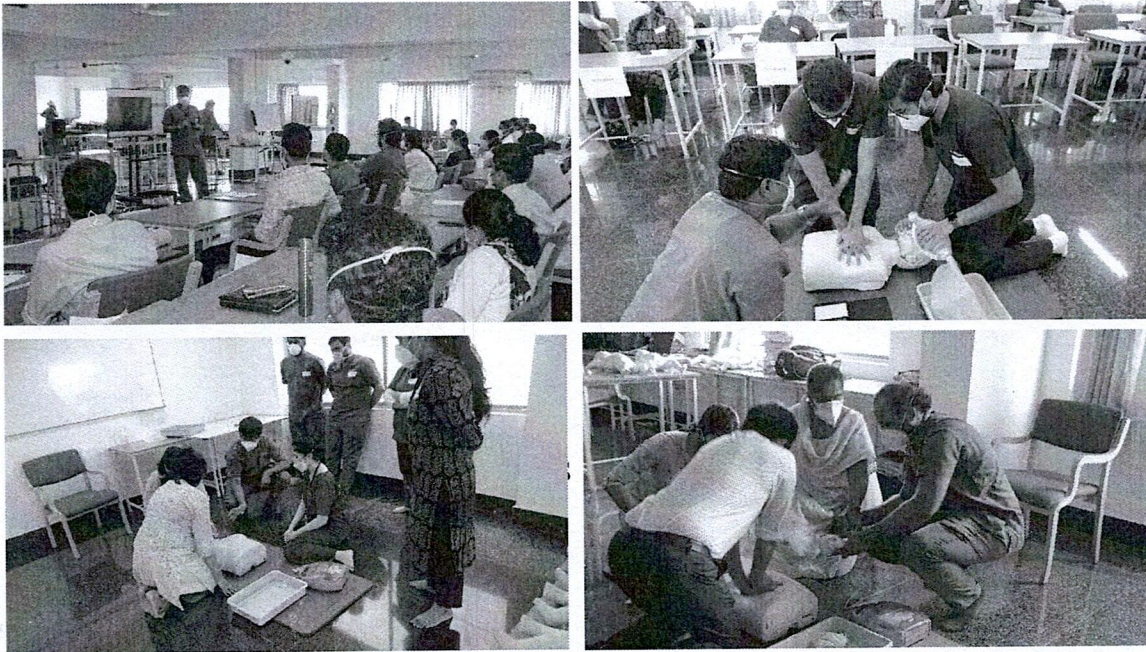


  
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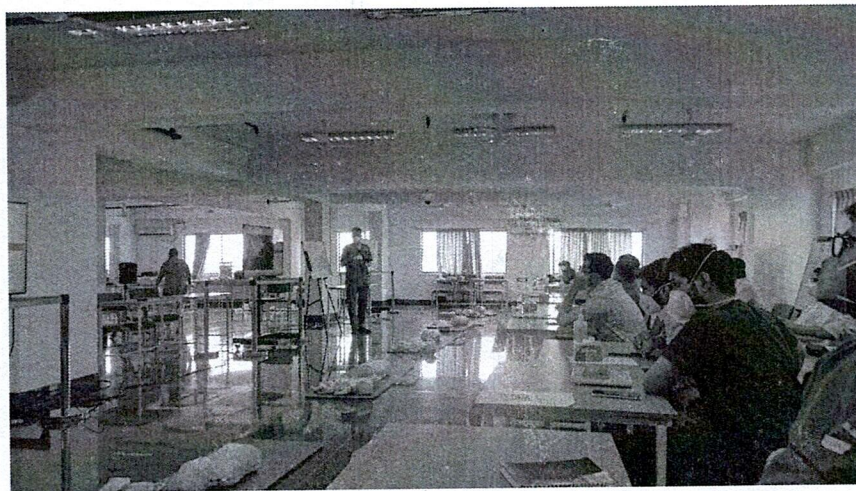
8. AED and Bag Mask Device

- Instruction: AED
- Instruction: Bag-Mask Device
- PWW: bag-Mask Device



10. High Performance Teams

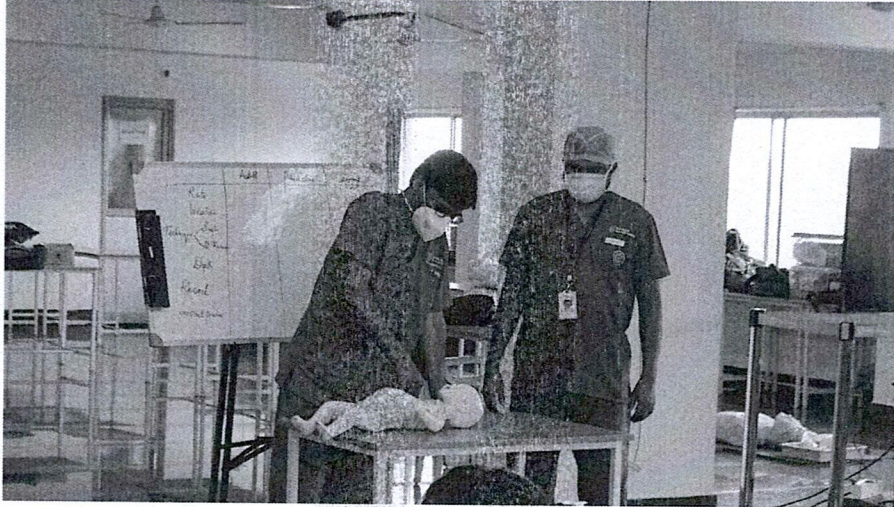
- Instruction: Team Dynamics
- Instruction: High Performance Teams





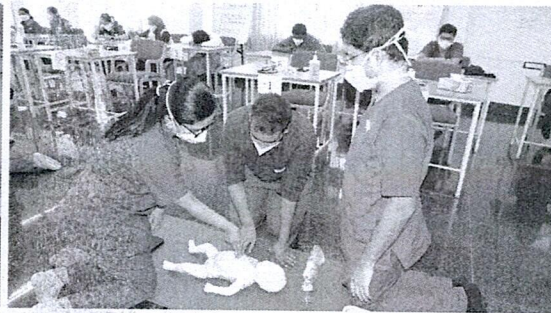
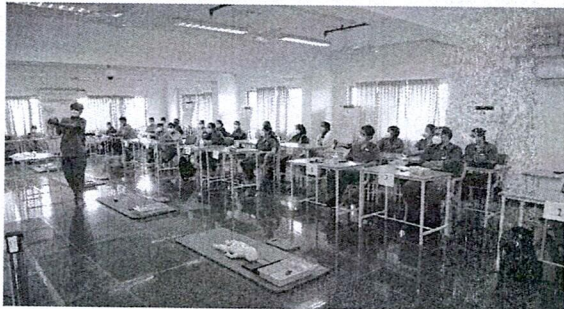
11. Child BLS

- Instruction: Pediatric Chains of Survival, Child BLS and 2-Rescuer Child CPR
- PWW: 2-Rescuer Child CPR



12. Infant BLS

- Instruction: Infant BLS and Infant Compressions
- PWW: Infant Compression
- Instruction: Bag Mask Device, Device for Infants
- PWW; Bag Mask Device for Infants
- Instruction: 2-Rescuer Infant CPR
- Instruction: AED for Infants and Children Less than 8 Years of Age





13. Relief of Choking

- Instruction: Relief of Choking in an Adult or Child
- Instruction: Relief of Choking in a Responsive Infant
- PWW: Relief of Choking in a Responsive Infant
- Instruction: Relief of Choking in an Unresponsive Infant



14. Post Assessment

- Infant Assessment  
Record the Post-Assessment Q CPR parameters.



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- Child Assessment  
Record the Post-Assessment QCPR parameters.

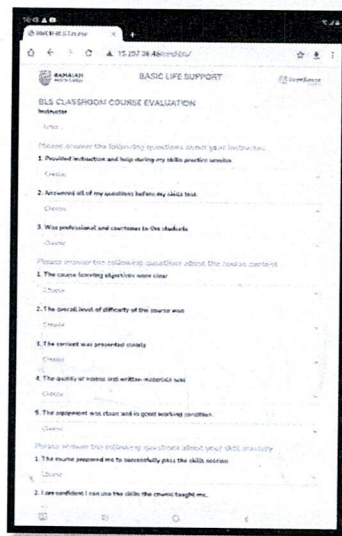


- Adult Assessment  
Record the Post-Assessment QCPR parameters.



15. BLS Classroom Course Evaluation

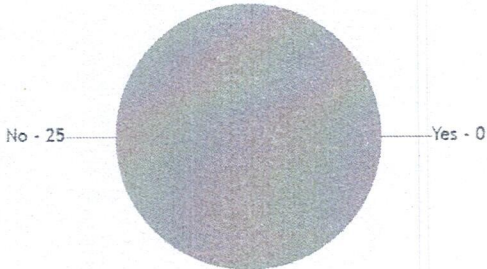
The BLS Classroom course evaluation form is made available in the application to be filled by the candidates as shown below.



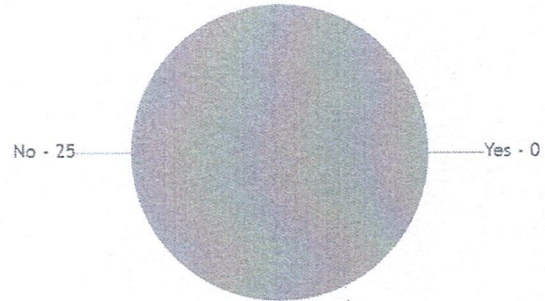


The data analytics are as follows:

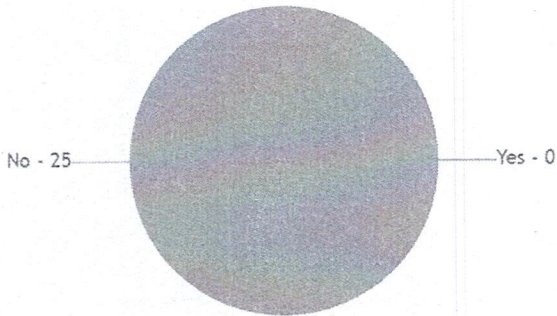
My Instructor : Provided instruction and help during my skills practice session



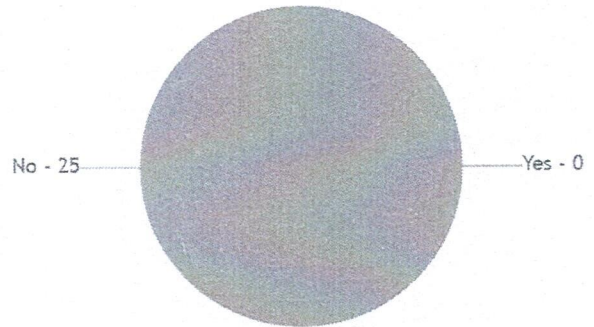
My Instructor : Answered all of my questions before my skills test



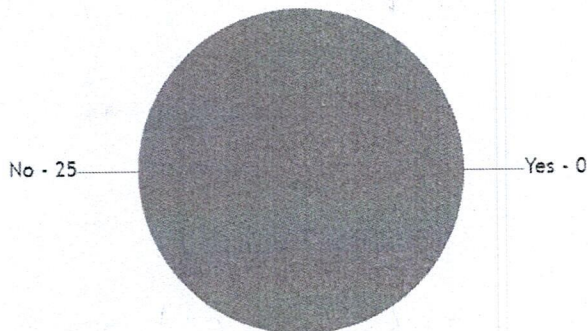
My Instructor : Was professional and courteous to the students



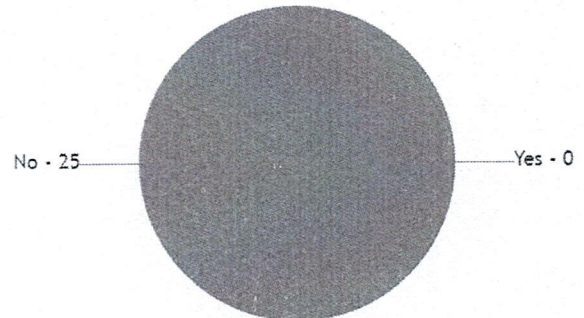
Course Content : The course learning objectives were clear



**Course Content : The content was presented clearly**



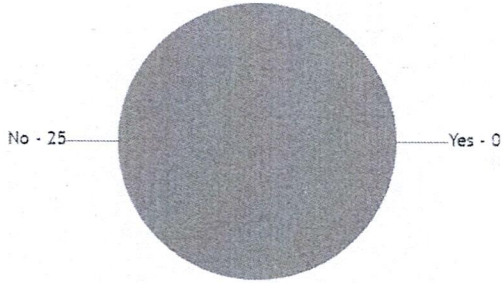
**Course Content : The equipment was clean and in good working condition**



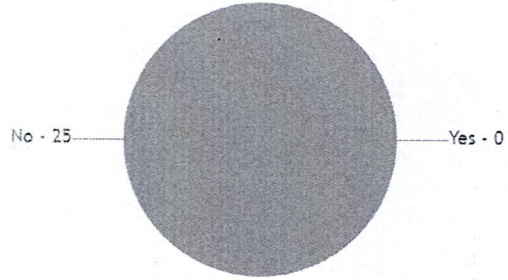
*Handwritten signature*  
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**Skill Mastery : The course prepared me to successfully pass the skills session**



**Skill Mastery : I took this course to obtain professional education credit or continuing education credit**



*Med L Gao*  
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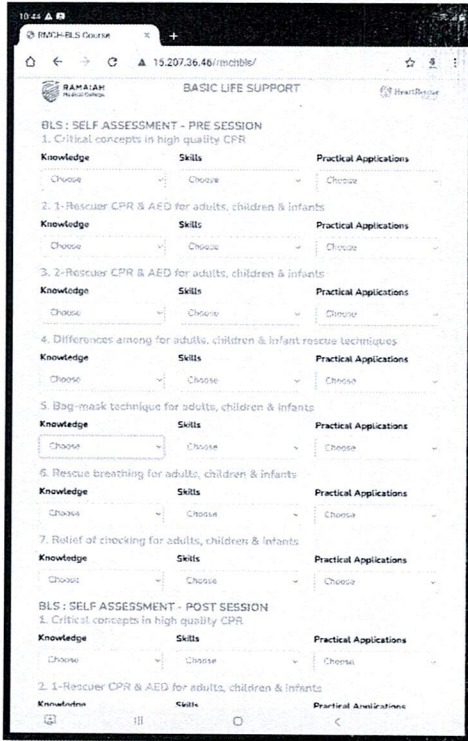
**16. Self-Assessment**

Following feedback data is collected for both Pre-Session and Post-Sessions:

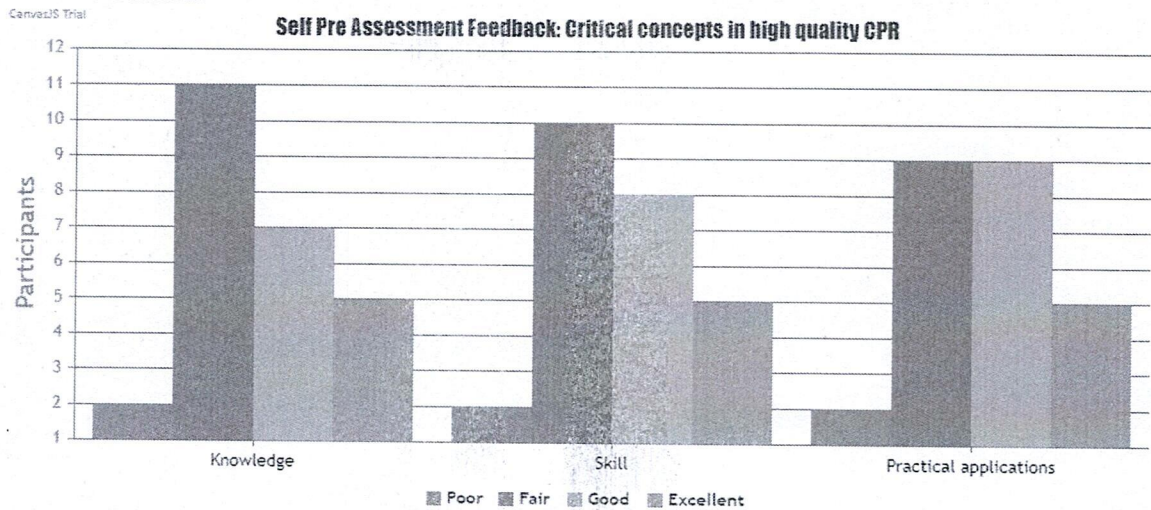
												Topic
Knowledge				Skill				Practical applications				Date
Poor	Fair	Good	Excellent	Poor	Fair	Good	Excellent	Poor	Fair	Good	Excellent	
												Critical concepts in high quality CPR
												1-Rescuer CPR & AED for adults, children & infants
												2-Rescuer CPR & AED for adults, children & infants
												Differences among for adults, children & infant rescue techniques
												Bag-mask technique for adults, children & infants
												Rescue breathing for adults, children & infants
												Relief of choking for adults, children & infants



Application Screenshot:



Analytics:  
**Topic: Critical concepts in high quality CPR**  
Pre-Session:

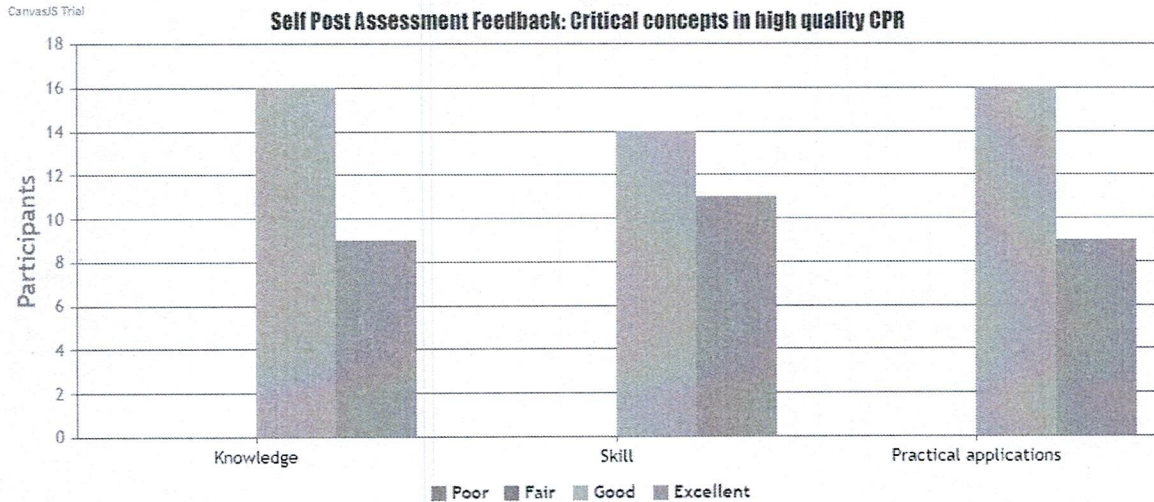




The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:

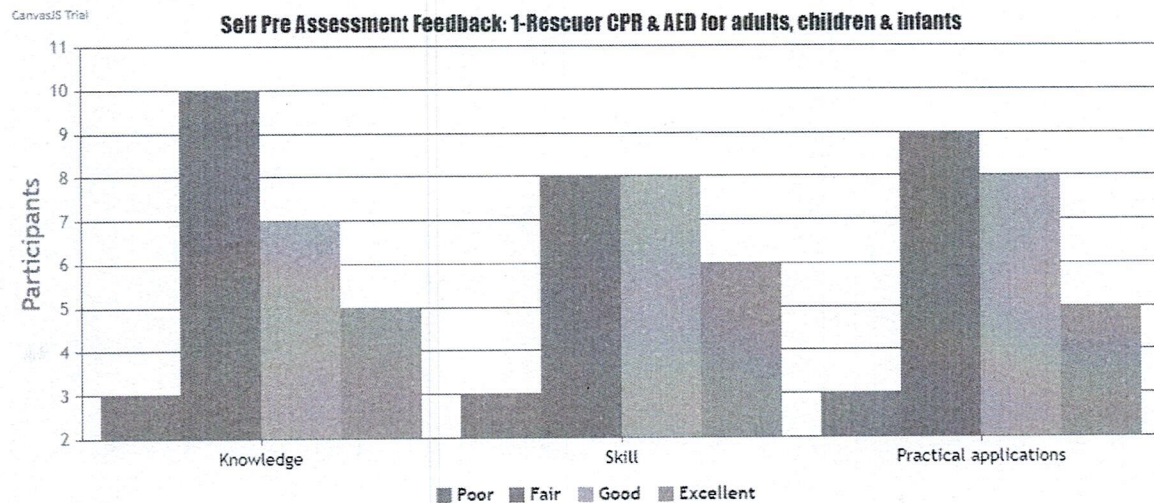


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: 1-Rescuer CPR & AED for adults, children & infants**

Pre-Session:

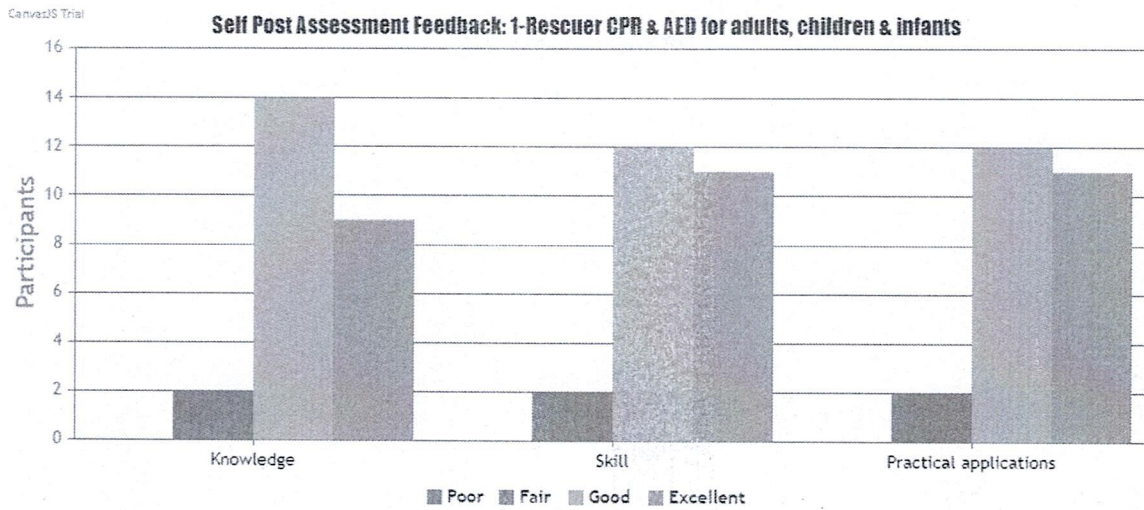


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.



Post-Session:

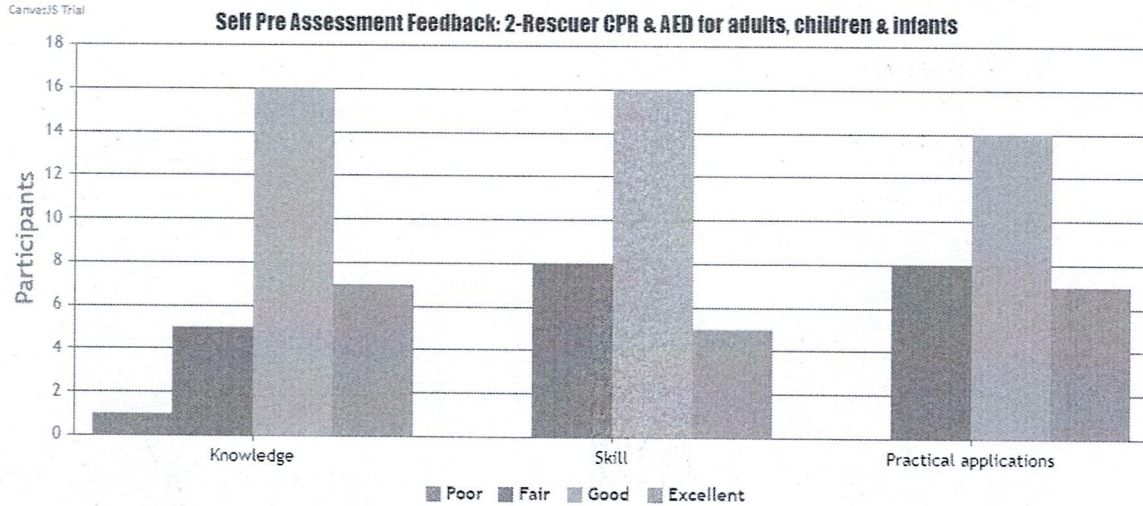


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: 2-Rescuer CPR & AED for adults, children & infants**

Pre-Session:

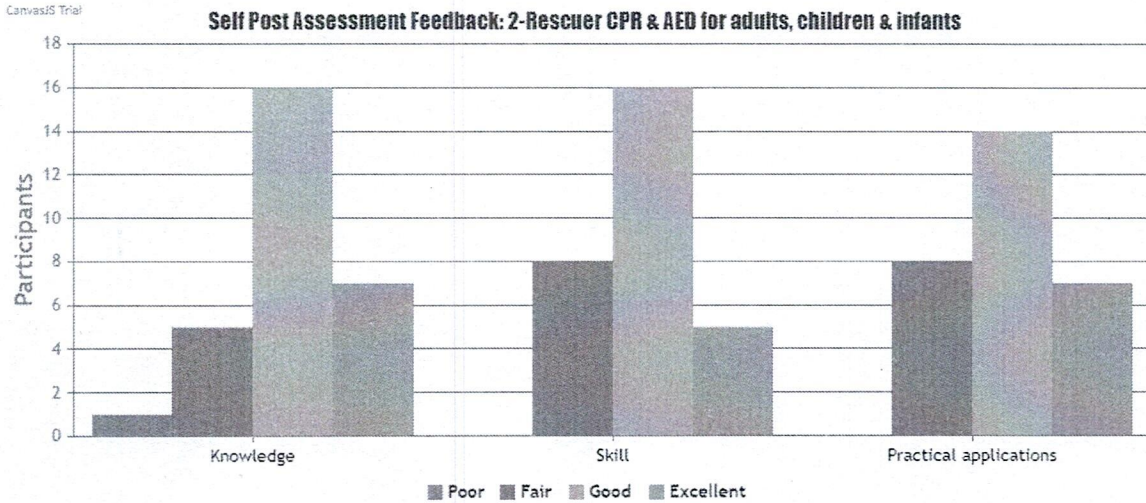


*Heedlyao*  
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Bangalore - 560 054

The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:

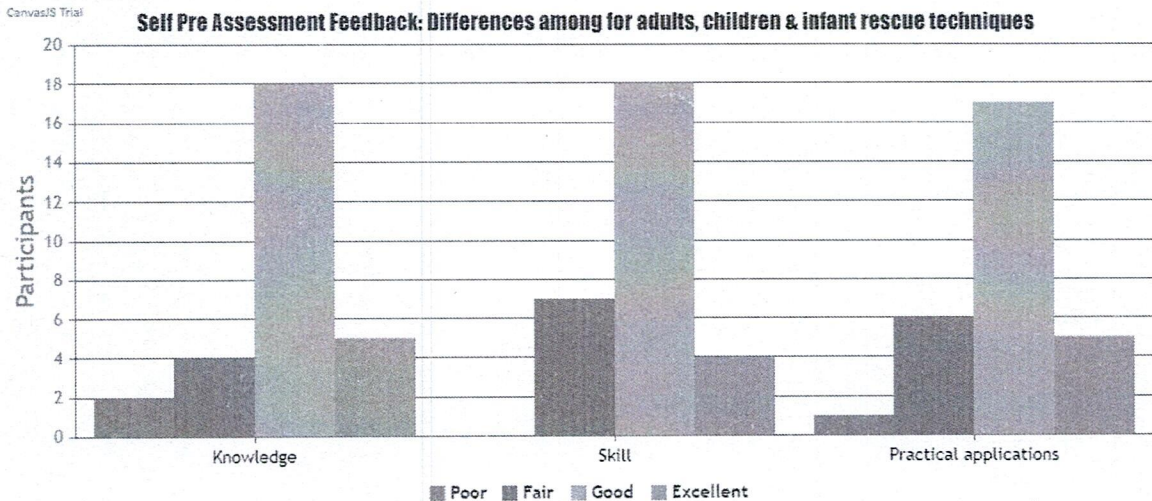


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: Differences among for adults, children & infant rescue techniques**

Pre-Session:



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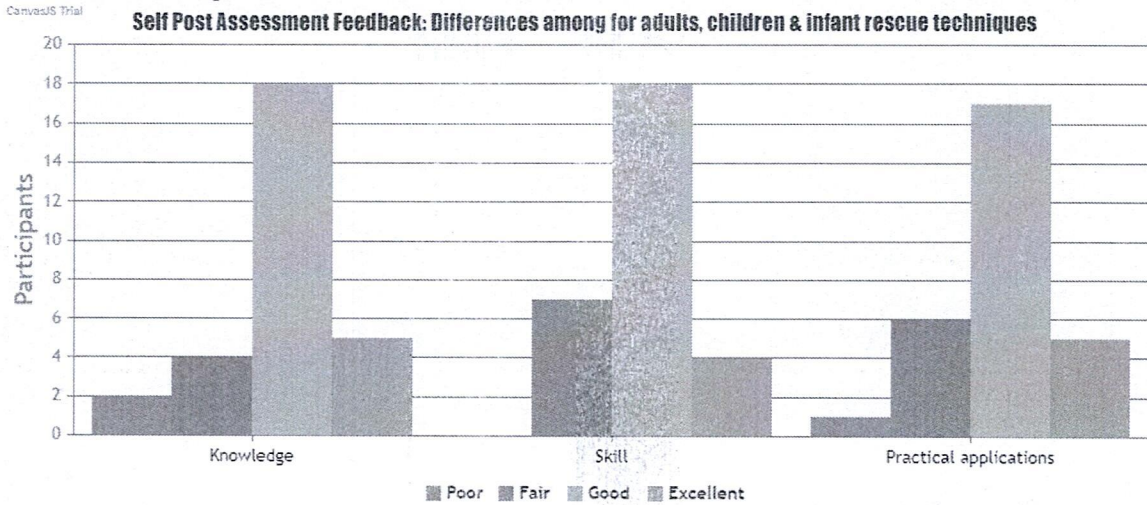


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:

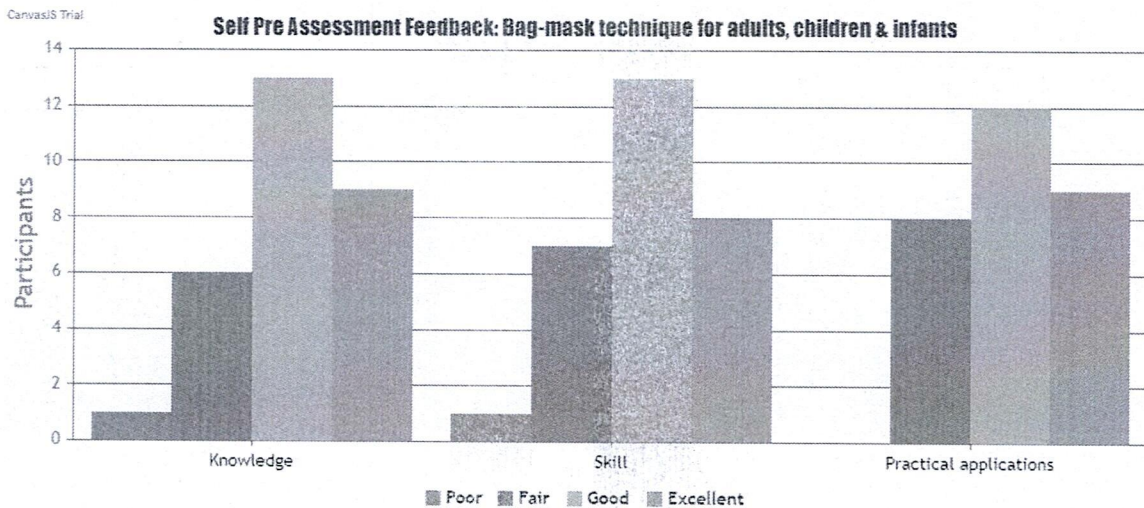
The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.



The Y axis represents the number of candidates.

**Topic: Bag-mask technique for adults, children & infants**

Pre-Session:

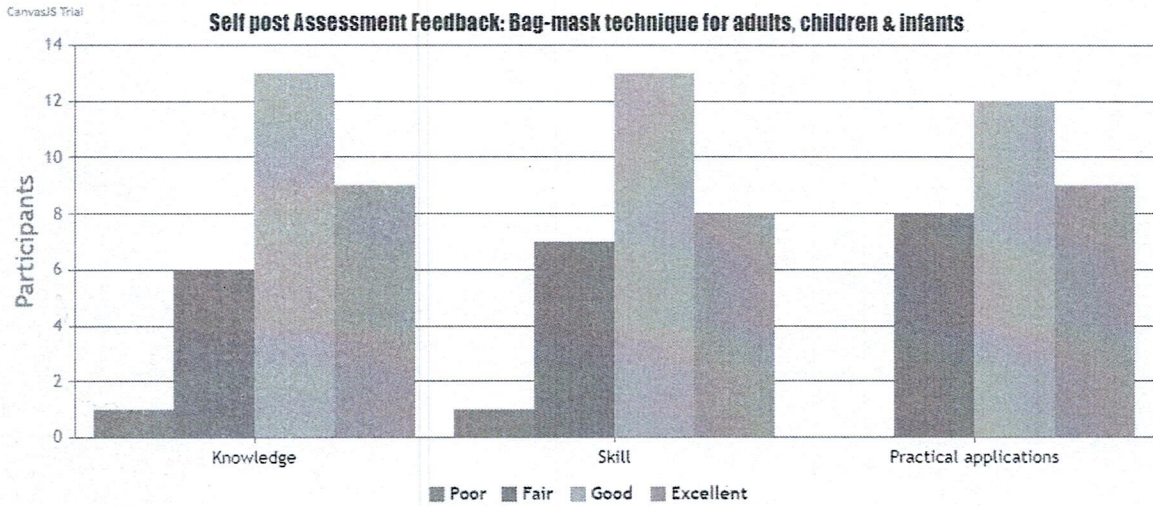


*K. P. Rao*  
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The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:

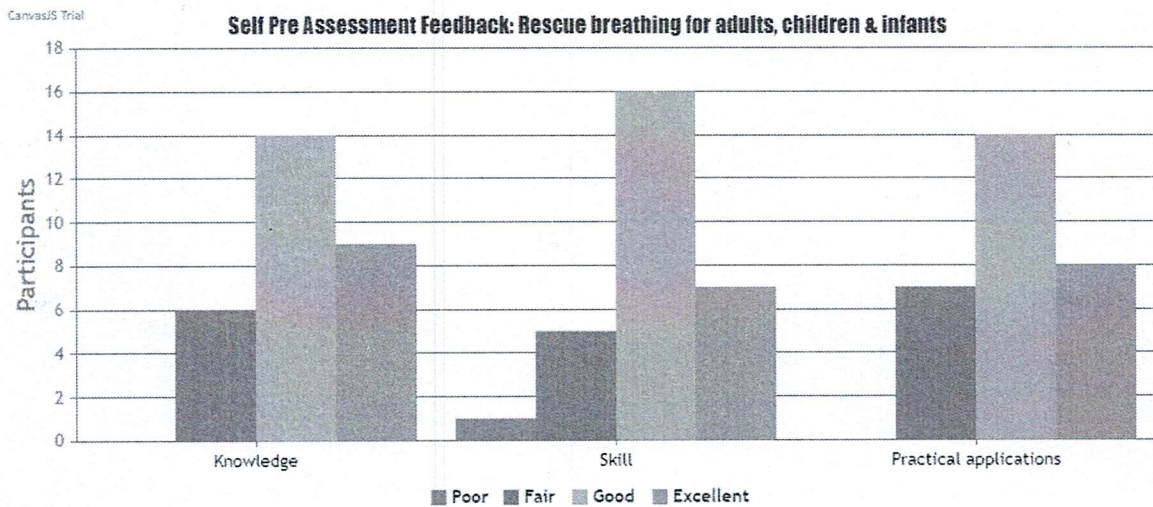


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: Rescue breathing for adults, children & infants**

Pre-Session:

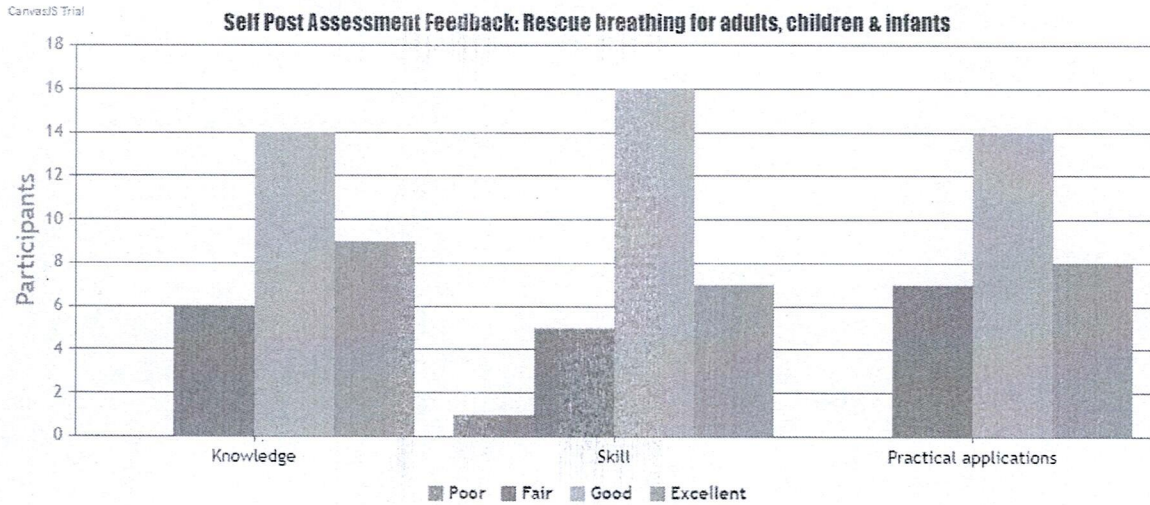


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.



Post-Session:

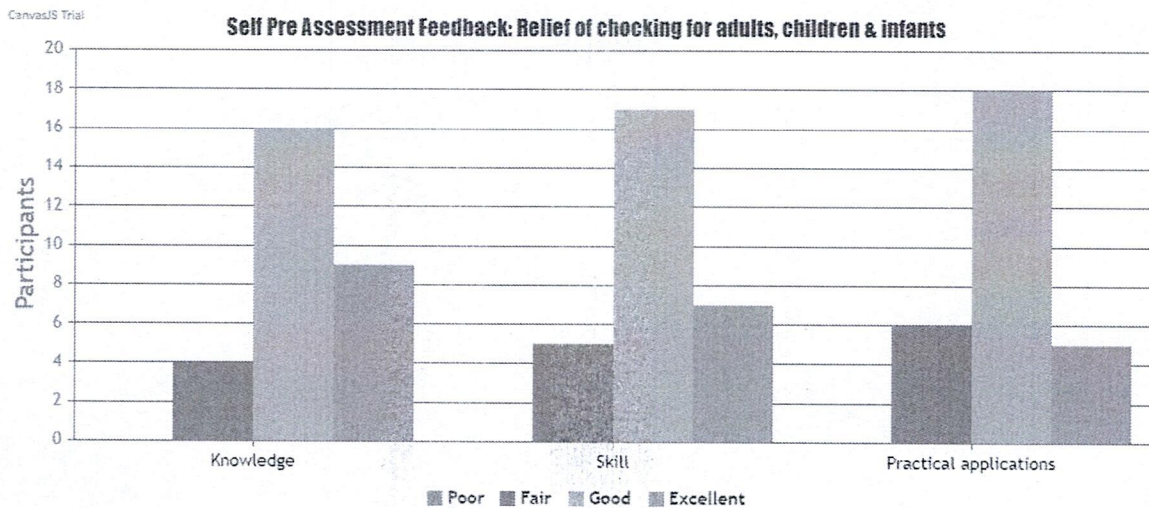


The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

**Topic: Relief of choking for adults, children & infants**

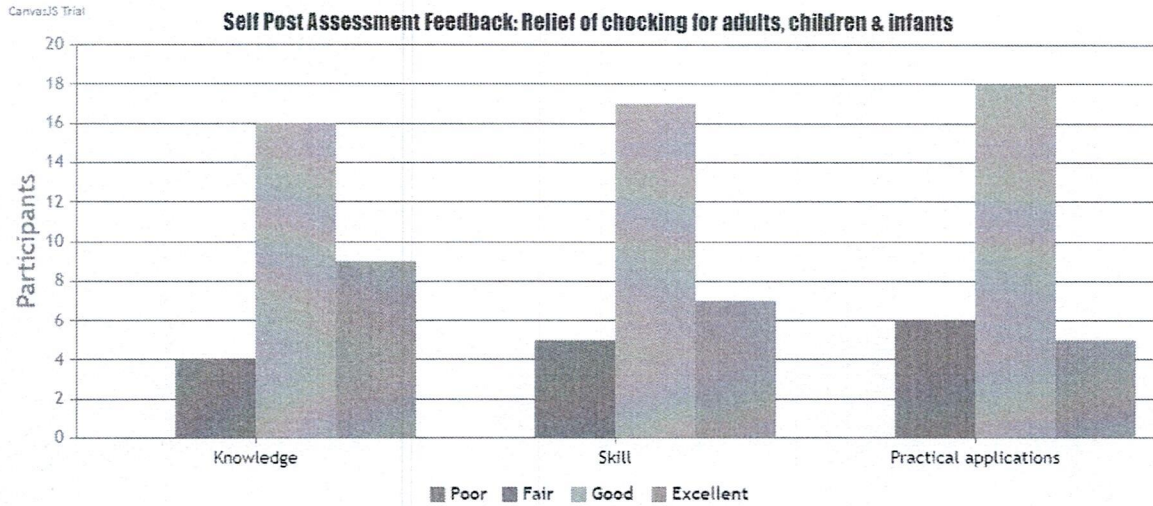
Pre-Session:



The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

Post-Session:



The X axis represents the Knowledge, Skill and Practical Applications of the above-mentioned topic.

The Y axis represents the number of candidates.

17. Overall Course Feedback

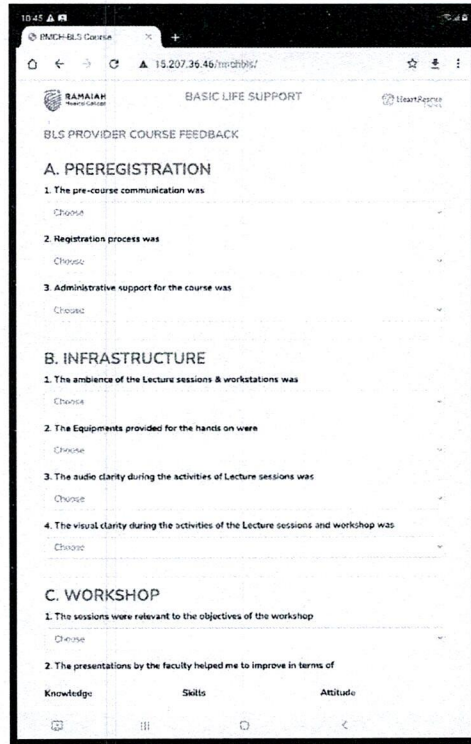
The following Feedback Data is collected:

*[Handwritten Signature]*  
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**M.S. Ramaiah Medical College**  
**& Teaching Hospital**  
**Bangalore - 560 054.**

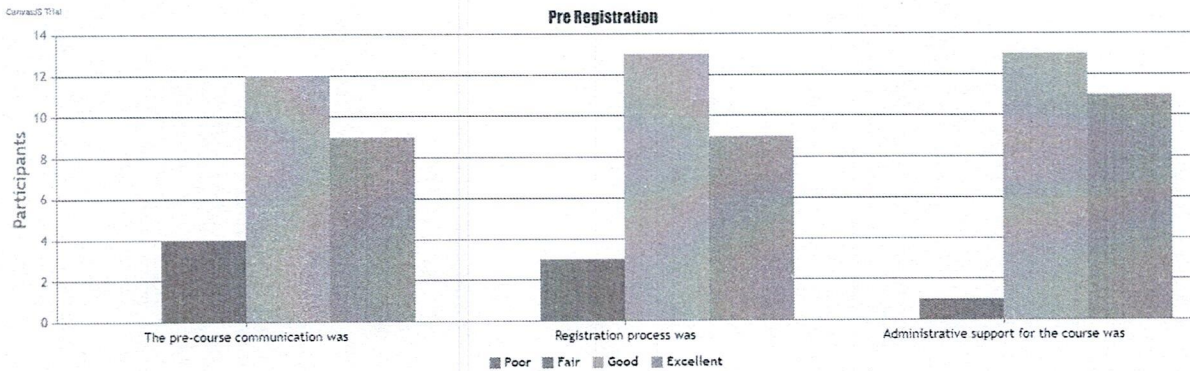


Sl. No	Criteria	Poor	Fair	Good	Excellent					
<b>A</b>	<b>PREREGISTRATION</b>									
1	The pre-course communication was									
2	Registration process was									
3	Administrative support for the course was									
<b>B</b>	<b>INFRASTRUCTURE</b>									
1	The ambience of the Lecture sessions & workstations was									
2	The Equipments provided for the hands on were									
3	The audio clarity during the activities of Lecture sessions was									
4	The visual clarity during the activities of the Lecture sessions and workshop was									
<b>C</b>	<b>WORKSHOP</b>									
1	The sessions were relevant to the objectives of the workshop									
2	The presentations by the faculty helped me to improve in terms of Knowledge									
	Skills									
	Attitude									
3	The interaction with the faculty members was									
4	The quality of the mannequins provided was									
5	The participant: mannequin ratio was									
6	The activities during the workshop was an useful learning experience									
7	A hand out of workshop material was given / received ----- - to workshop(Please tick).		During		Prior					
8	Mention <b>three factors that</b> facilitated the learning during the course?									
9	Mention <b>three factors that</b> hindered the learning during the course?									
10	<b>Overall Rating Of The Course On A Score Of 1 (poor) to 10 (Outstanding):</b>									
	1	2	3	4	5	6	7	8	9	10
<b>Suggestions:</b>										

Below is the application screenshot:



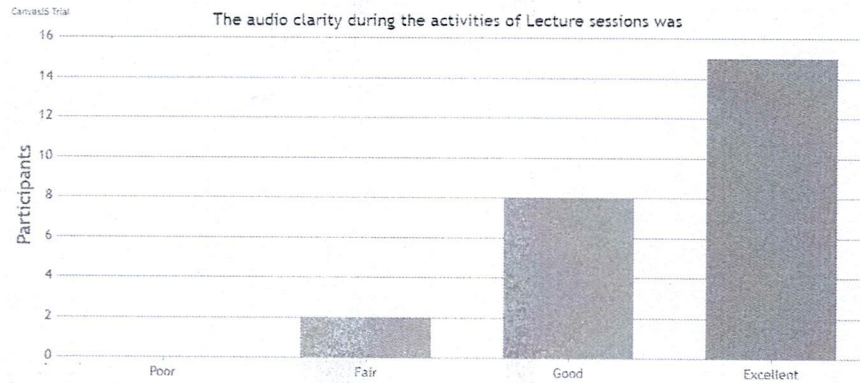
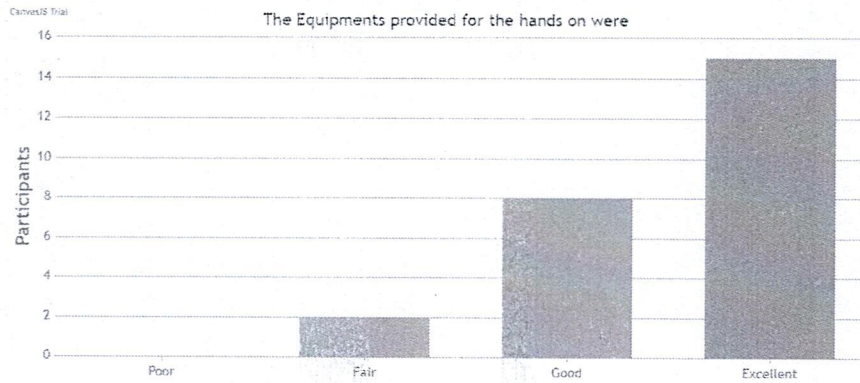
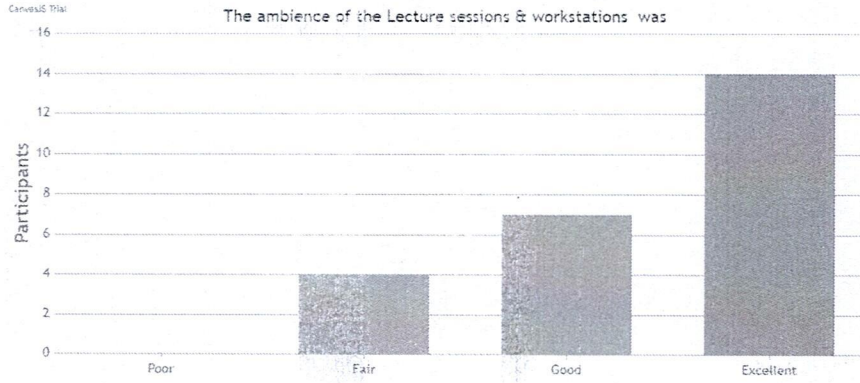
Analytics:  
**Pre-Registration:**



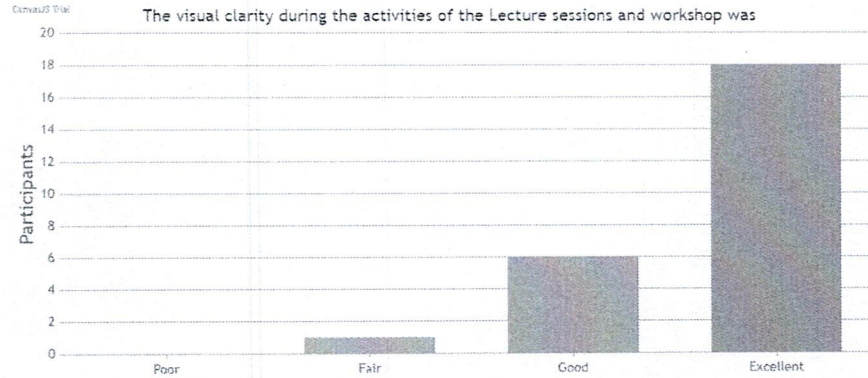
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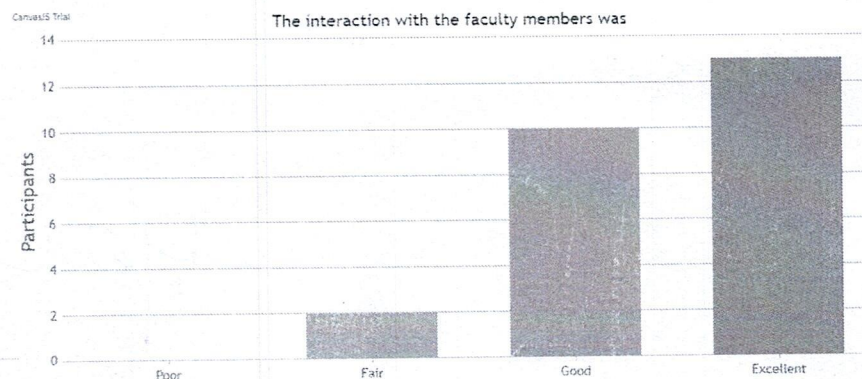
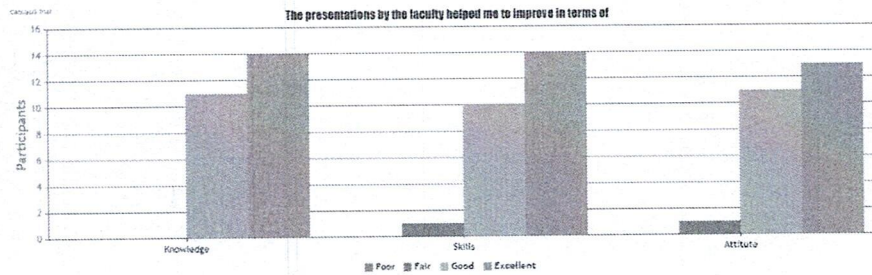
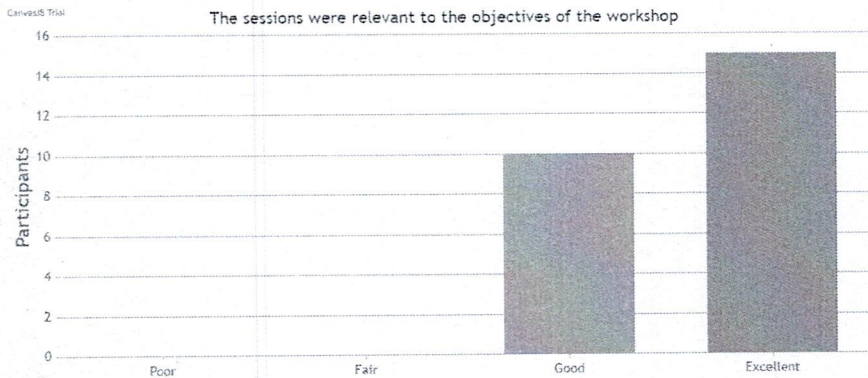
**Infrastructure:**



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**& Teaching Hospital**  
**Bangalore - 560 054.**

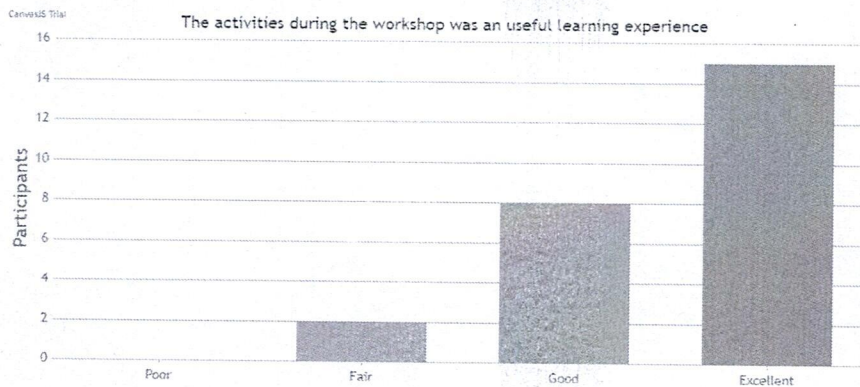
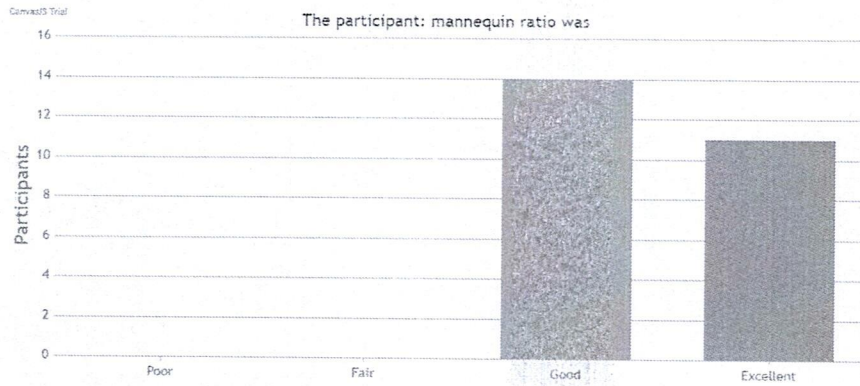
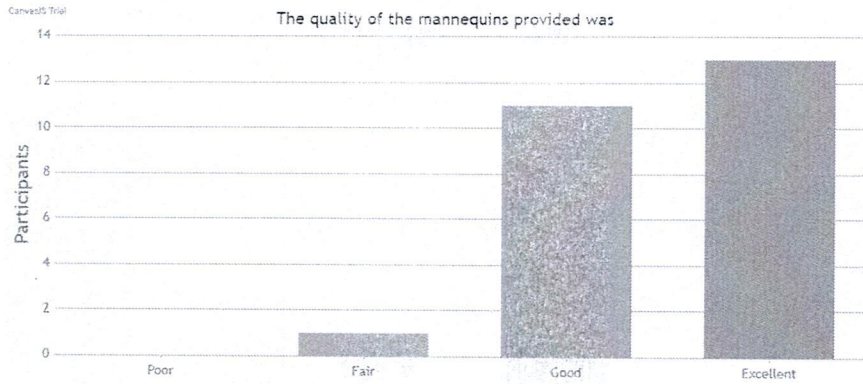


**Workshop:**



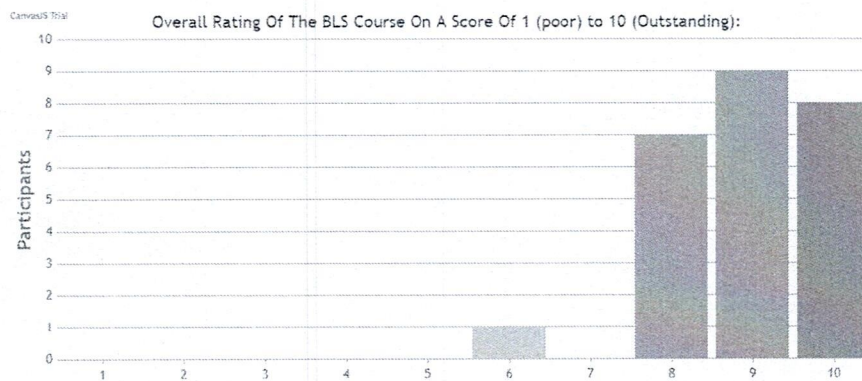
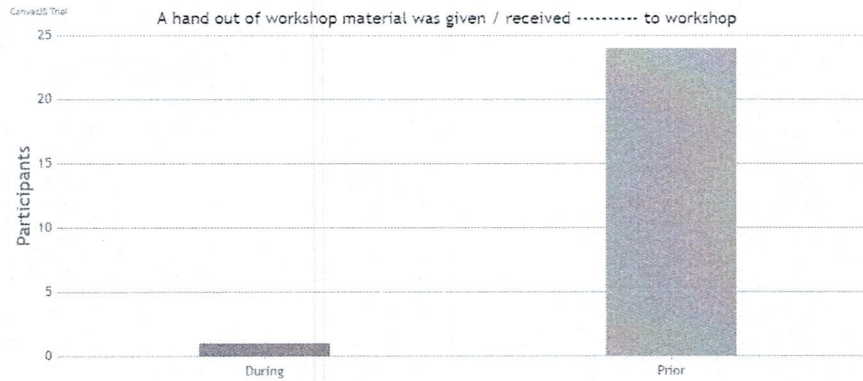
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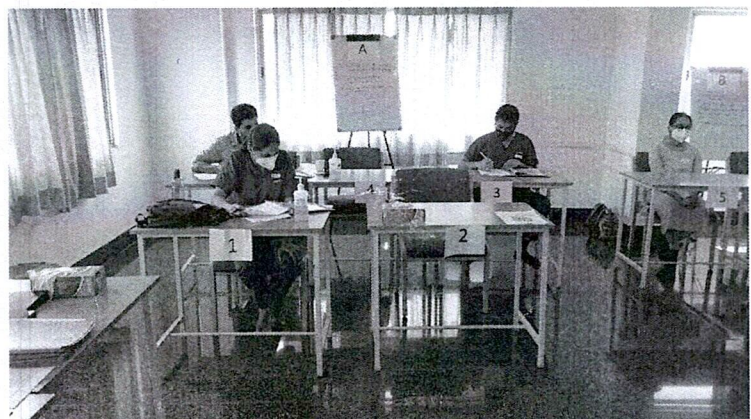
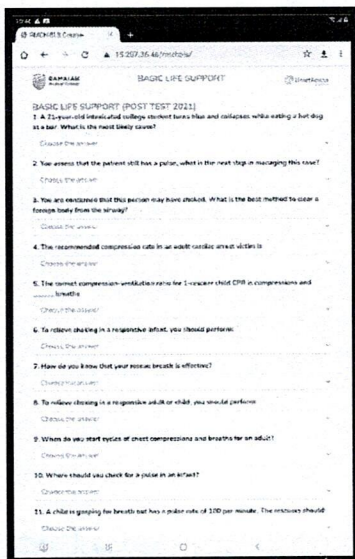
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**Bangalore - 560 054.**

**Overall rating of the BLS course:**



**18. Post Test**

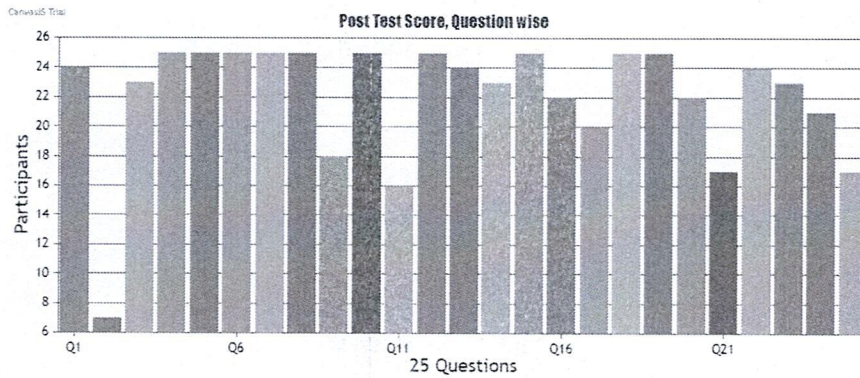
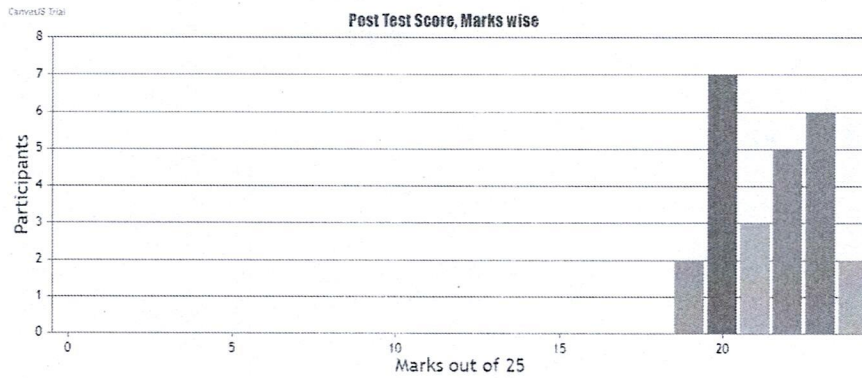
A set on 25 Post-Test Questions were made available to answer, results are as follows:





The X axis represents the marks obtained from 0 to 25.

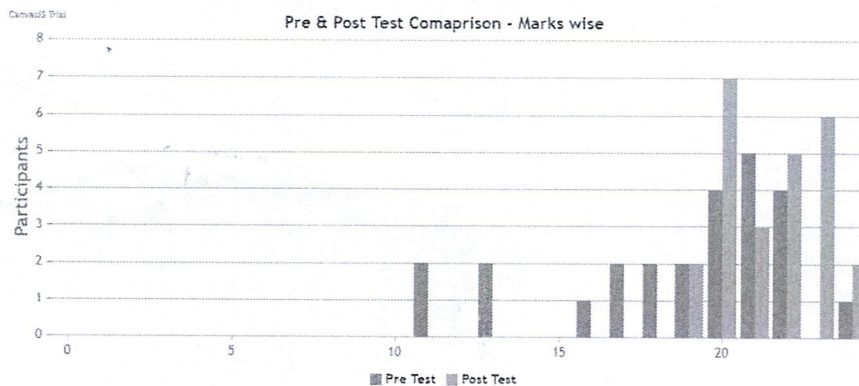
The Y axis represents the number of candidates who scored marks from 0 to 25.



The X axis represents the questions from 1 to 25.

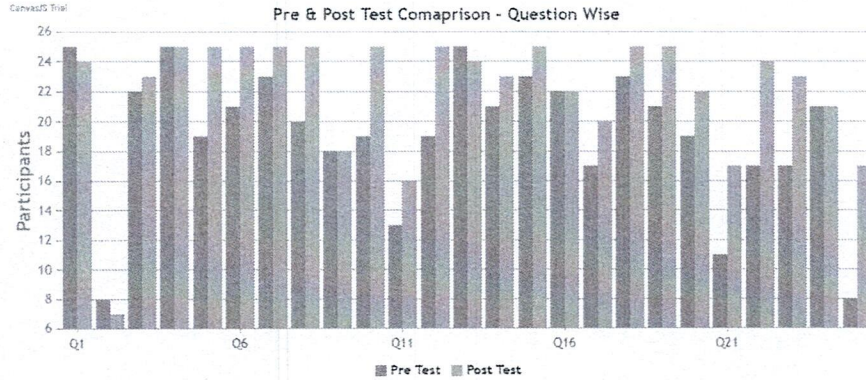
The Y axis represents the number of candidates who answered correctly from questions 1 to 25

The Pre and Post Test Comparison is shown in the following graphs:



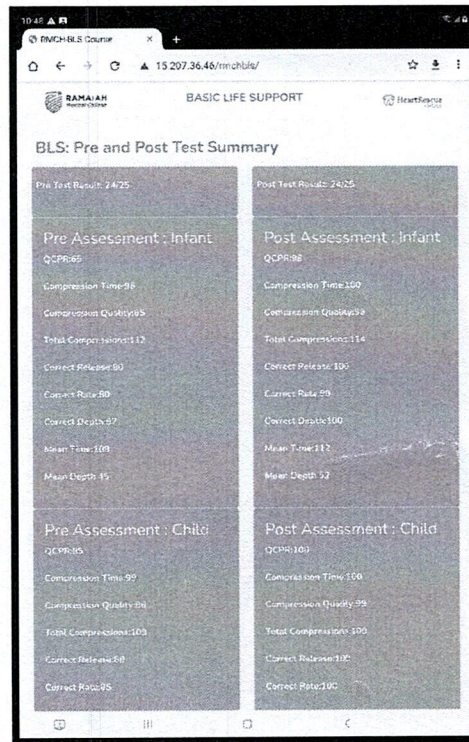
*[Handwritten Signature]*  
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The X axis represents the marks obtained from 0 to 25.  
The Y axis represents the number of candidates who scored marks from 0 to 25.



The X axis represents the questions from 1 to 25.  
The Y axis represents the number of candidates who answered correctly from questions 1 to 25

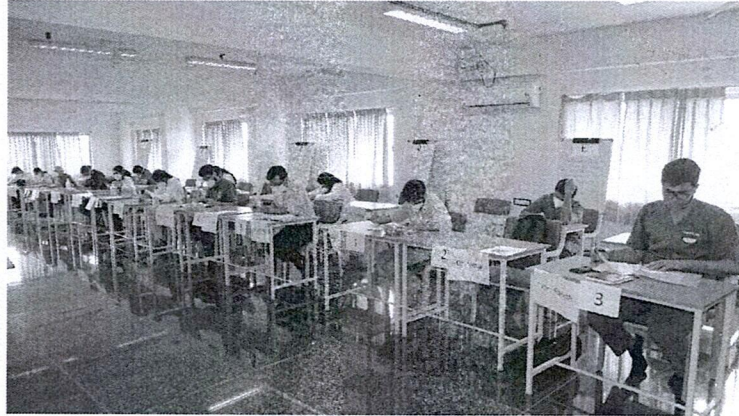
The marks obtained by each candidate is enclosed below.



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19. Theory Examination



20. Practical Examination



21. Result Announcement



  
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22. Feedback and Conclusion



23. Group Photo



*MedLya*  
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