

INTERNSHIP TRAINING

At

AL ABEER EDUCITY, KERALA

**ORGANISATION & PLANNING OF LABORATORY SERVICES**

by

Name: PRIYANKA ANCHALIA

Enrol No. PG/14/051

Under the guidance of

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IIHMR, DELHI

Post Graduate Diploma in Hospital and Health Management

2014-16



**International Institute of Health Management Research**

**New Delhi**

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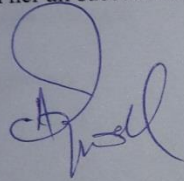
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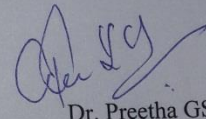
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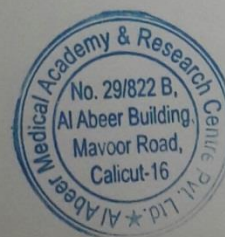
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She comes across as a committed, sincere & diligent person who has  
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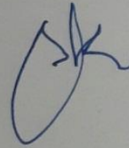
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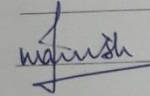
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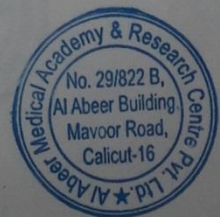
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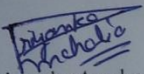


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### FEEDBACK FORM

Name of the Student: Ms. PRIYANKA ANCHALIA

Dissertation Organization: AL ABEER EDUCITY

Area of Dissertation: OPERATIONS

Attendance: 100%

Objectives achieved: YES

Deliverables: ORGANIZATION AND PLANNING OF LABORATORY SERVICES FOR AL ABEER EDUCITY.

Strengths: Disciplined and enthusiastic.  
Sincere, hardworking and dedicated.  
Committed.

Suggestions for Improvement: Volunteer for larger roles.  
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Koshy K Ancheril  
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Date: 14/05/2016

Place: Calicut





## **ABSTRACT**

Constructing of laboratory can be both challenging and rewarding. Proper planning can help to achieve the goal efficiently. Al Abeer Educity is an upcoming 750 bedded multi-speciality cum teaching hospital. Thus, Laboratory services are planned within the hospital to satisfy the need of hospital as well as teaching hospital. **Methodology:** A descriptive study was carried out. Various guidelines and norms were used as reference documents. Using these guidelines and norms, the laboratory services of Al Abeer Educity is done under the following subheadings: Infrastructure planning, equipment planning, manpower planning and process flow of laboratories. **Results:** Infrastructure planning includes details about space requirement; MEP, fire, HVAC, IT & Pneumatic requirements; Furniture and fixture requirements & flooring, ceiling, wall finish etc. requirements of each laboratory area. Equipment planning includes list of equipments required in each laboratory area. Manpower requirements include minimum manpower required for laboratory services and their qualification. Process flow of major laboratory area is also shown. **Conclusion:** The hospital is under construction phase thus the implementation of plan of laboratory services is under process. Presently major attention is given to the infrastructure planning and implementation of infrastructure planning is under process, other will follow.

## **ACKNOWLEDGEMENT**

On the very outset of this report, I would like to extend my heartfelt and sincere gratitude towards all the personages who have helped me in my endeavor. Without their active guidance, help, cooperation & encouragement, I wouldn't have been able to headway in this project.

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### List of Symbols and Abbreviations

| <b>Abbreviations</b> | <b>Full Forms</b>   |
|----------------------|---|
| AFFL                 | Above Finished Floor Level  |
| B. Sc.               | Bachelor of Science   |
| CEA                  | Clinical Establishment Act  |
| D & CA               | Drug and Cosmetics Act  |
| DCP                  | Diploma of Pathology Course   |
| DMLT                 | Diploma in Medical Laboratory Technology                              |
| DNB                  | Diplomat of National Board  |
| FGI                  | Facility Guideline Institute  |
| FNAC                 | Fine Needle Aspiration Cytology                                       |
| GCLP                 | Good Clinical Laboratory Practices                                    |
| HAAD                 | Health Authority-Abu Dhabi  |
| HBN                  | Health Building Note  |
| HVAC                 | Heating, Ventilation & Air Conditioning                               |
| IS/ISO               | Indian Standards/ International Organization for Standards            |
| IT                   | Information Technology  |
| M. Sc.               | Master of Science   |
| M.B.B.S              | Bachelor of Medicine and Bachelor of Surgery                          |
| MCI                  | Medical Council of India  |
| MD                   | Doctor of Medicine  |
| MEP                  | Mechanical, Electrical & Plumbing                                     |
| MLT                  | Medical Laboratory Technology   |
| NABL                 | National Accreditation Board for Testing and Calibration Laboratories |
| NFPA                 | National Fire Protection Association                                  |
| PhD                  | Doctor of Philosophy  |
| UPS                  | Uninterrupted Power Supply  |