

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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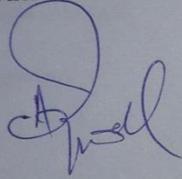
TO WHOMSOEVER IT MAY CONCERN

This is to certify that PRIYANKA ANCHALIA student of Post Graduate Diploma in Hospital and Health Management (PGDHM) from International Institute of Health Management Research, New Delhi has undergone internship training at AL ABEER EDUCITY, MALAPPURAM (KERALA) from 2nd March, 2016 to 14th May, 2016.

The Candidate has successfully carried out the study designated to him during internship training and his approach to the study has been sincere, scientific and analytical.

The Internship is in fulfilment of the course requirements.

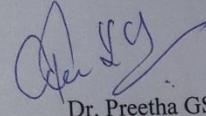
I wish her all success in all her future endeavors.



Dr. A.K. Agarwal

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Associate Professor

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Ms. PRIYANKA ANCHALIA

in recognition of having successfully completed her
internship in the department of

OPERATIONS

and has successfully completed her project on

**“A DESCRIPTIVE STUDY ON ORGANIZATION AND PLANNING OF
LABORATORY SERVICES AT AL ABEER EDUCITY”**

Date: 02/03/2016 to 14/05/2106

Organization: AL ABEER EDUCITY

She comes across as a committed, sincere & diligent person who has
a strong drive & zeal for learning

We wish her all the best for future endeavors

Koshiy K Ancheril
Senior Manager- Human Resources



CERTIFICATE OF APPROVAL

The following dissertation titled "A DESCRIPTIVE STUDY ON ORGANIZATION AND PLANNING OF LABORATORY SERVICES" at "AL ABEER EDUCITY" is hereby approved as a certified study in management carried out and presented in a manner satisfactorily to warrant its acceptance as a prerequisite for the award of **Post Graduate Diploma in Health and Hospital Management** for which it has been submitted. It is understood that by this approval the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the dissertation only for the purpose it is submitted.

Dissertation Examination Committee for evaluation of dissertation.

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Signature

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Dr. Manish



Dr. Shakti K. Gupta
Dr. Manish



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This is to certify that Ms. Priyanka Anchalia, a graduate student of the Post- Graduate Diploma in Health and Hospital Management has worked under our guidance and supervision. She is submitting this dissertation titled "A DESCRIPTIVE STUDY ON ORGANIZATION AND PLANNING OF LABORATORY SERVICES AT AL ABEER EDUCITY" at "AL ABEER EDUCITY in partial fulfillment of the requirements for the award of the Post- Graduate Diploma in Health and Hospital Management.

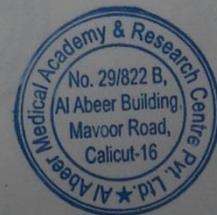
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Associate Professor

IIHMR, Delhi

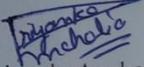
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CERTIFICATE BY SCHOLAR

This is to certify that the dissertation titled ORGANIZATION AND PLANNING OF LABORATORY SERVICES AT AL ABEER EDUCITY and submitted by PRIYANKA ANCHALIA Enrolment No. PG/14/051 under the supervision of Dr. Dinesh GK (COO, Al Abeer Educity) & Dr. Preetha GS (Associate Professor, IIMR-Delhi) for award of Postgraduate Diploma in Hospital and Health Management of the Institute carried out during the period from 2nd March, 2016 to 14th May, 2016 embodies my original work and has not formed the basis for the award of any degree, diploma associate ship, fellowship, titles in this or any other Institute or other similar institution of higher learning.


PriyankaAnchalia

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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.

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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.

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List of Symbols and Abbreviations

Abbreviations	Full Forms
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