**Quarter 1: Observation /Assistance**

Understanding the need of a Qa and Qc for IVF and Andrology laboratory and establishment of a controlled documents and a Quality Control manual.

Understanding the composition of the culture meda

Understanding basic tissue culture techniques

Incubator cleaning **(Assisting) and how to recalibrate and need to monitoring basic parameters on a daily basis.**

Laboratory equipment maintenance and calibration

Calculation the Media requirement for the day

Andrology work-up and Semen preparation for IUI and IVF **(Assisting)**

Data maintenance and correct completion of all laboratory related documents**(Assisting)**

Denudation

Insemination

ICSI

Embryo transfer

Surgical sperm preparation

Submit thesis proposal to whom?what topics of Thesis should be considered by the candidate?

**Quarter 2 : Assisting**

Media dispensing

Preparing culture plates

Clean incubators

Lab maintenance and calibration

Sample preparation for IUI and IVF

Handling of oocyte, monitoring of fertilisation, cleavage, embryo transfers and ethical discardation of embryos.

Denudation

Insemination

ICSI

Embryo transfer

Surgical sperm preparation

Micro manipulator setting :observation

Data maintenance and documentation

**Quarter 3: Hands on**

Sample preparation for IVF

Media dispensing

Hands on Exposure to denudation , insemination and embryo transfer depending upon the progress of the student .

Data maintenance and documentation

Submit the thesis and produce one paper pertaining to the topic of interest.

**Quarter 4: Hands on internship**

**Do all the procedures hands on under supervision .**

Independent setting up of the micromanipulator and exposure to Hands on depending upon the capability of the individual

Data maintenance and documentation and interpretation

This is fine but we have not given them time for learning theory and it’s application to the clinical work. We need to include this aspect some where. I advise that it forms the major part of the First quarter.