***Why incremental?***

Our system can be divided into several mini system. Among them the slot booking module gets the most priority of the customer (hospital on doctor) as it focuses most on the problem domain and also benefits them as this will draw more patient to them. Beside if we can deliver the slot looking module first then we will be able to establish a core base for the whole system fast and gain customers trust. After developing this module, we can go for patient medical history module and then organ donation module. So, clearly, we need to follow development process that allows to deliver project at increments. Then if we come to customers’ requirements, they ate well understood to us and there is low chance of change of requirements from client side. So, from these analyses we can say incremental module would be one of the best choices for small and inexperienced group like us.

***Why extreme programming?***

Though our group is small and inexperienced, there is option of having a high experienced personal with us who can help us in all aspects. So, that we can have the benefits of agile development method. From the agile methods XP is the best suited option for us as it requires small group, allows incremental release, simple design, release the features in increment and maximizes out development and testing speed through pair programming.

System feature:

Features for all users:

* log in

Features provided to doctor:

* create slots
* View medical history of patient

Feature provided to patients:

* Search doctor
* Book slot
* Create account
* Cancel slot
* Search organ
* Contact donor

Feature provided to doctor’s assistant

* Update patient’s medical history

Feature provided to organ donor

* Create account
* Donate organ
* See requests

Quality attributes:

* log in: integrity
* Book/cancel/create slot: reliability/ usability/ robustness/ availability
* Searching organ: efficiency
* Contact donor: interoperability