PhD Program in Computer Science and Information Technology

This is a research PhD program. It starts with courses gradually leading to research in a specific focused research area. All students have Bachelor and Master in computer science OR information technology.

**1st semester:**
In this semester the students take 4 courses. They are chosen for each student in order to fill gaps in his knowledge of recent trends in computer science and information technology. Four of the following courses are prescribed for each student: Cyber Ethics and Professional issues, Philosophy of Science, Computer Architecture, Networks, Web Technology, Theory of Computation.

**2nd Semester:**
Professors from all over the world (USA, UK, Germany, Egypt, Turkey, Jordan, South Africa, Tunisia, Malaysia and Australia) come to Khartoum during the first week of July (eg July 2013). Each professor presents his research area. Each student picks two areas (two professors) and studies an introductory course with the professor through weekly lectures conducted using Webex fully conversational online technology. The student also studies intensive research methodology ALL EXAMINATIONS ARE FACE TO FACE AT THE UNIVERSITY IN KHARTOUM (January 2014). On passing the exams on the two courses, the students chooses one research area (ie one professor) for his PhD research.

**semester 3:**
In this semester the student works with his supervisor. Through long weekly sessions he achieves the following by the end of the semester:
- Review the literature in his research area.
- write a review paper(survey) and obtains a letter of acceptance for publication.

**iii. PREPARES HIS RESEARCH PROPOSAL.**
At The End of this SEMESTER (and up to mid-June 2014) the student defends his proposal. The presentation is attended by his supervisor and two other professors. The proposal presentations are held in Khartoum (between mid-June to August 2014). When the proposal is approved the student continues his research with his supervisor.

**Semester 4:**
The student continues his research with his supervisor. A periodic report is sent to the university. Face to face meetings are at least once each June, July or August each year.

**Semester 5,...Semester 6,** ....
Similar to semester 4.

At least one other research paper containing the research results has to be accepted for publication.

Finally, the supervisor approves the student thesis It is then presented for oral examination in Khartoum according to SUST regulations.

The dates for thesis examination can be at any date by mutual agreement.