GOVT. WOMEN ENGINEERING COLLEGE, AJMER
Department of Computer Science & Engineering

Guidelines for submitting report for the seminar (8CS SM)

Sr. No	Category	Marks
1	Presentation (15 min) combined for 2 student (7 min each)	30
2	Queries	10
3	Single Slide Poster having summary of complete presentation	20
4	Report in the standard format provided on college website in the form of IEEE paper	20
5	Final Viva	20
	total	100

It is mandatory to select topic from the following topics:

1. **Voice over bluetooth**
   a. **soundwire application on android**
   b. **bluetooth telephony**
2. **Android sensor control**
   a. **accelerometer**
   b. **magnetometer**
   c. **gyroscope**
3. making your own cloud
4. crowd surveillance
5. Wifi Direct
   a. sending data from one device to another through wifi
   b. case study for android
   c. Xender app working
6. MIMO antenna technology
7. natural language processing
8. visual character recognition
   a. scanned paper to text converter
9. quantum cryptography
10. **Use of finite automata in game theory**
11. **Normalized pushdown automata**
12. Hadoop technology
    a. importance, applications and architecture
    b. programming methodology, supporting tools
13. big data analytics
14. machine learning
    a. description of various techniques
    b. description of various tools

15. cyber physical systems
16. Comparison among 2G, 3G, LTE, 4G, 5G
    a. antenna technology
    b. speed
    c. reasons of improved speed
    d. communication detailed specifications
17. Mobile (smart) device integration in vehicles and transport systems
18. smart city
    a. smart transportation and highways
    b. **smart tourism**
    c. smart industries
    d. smart waste management systems
19. Learning OpenGL
    a. programming methodology
    b. representation of a 3D object
20. Learning Python
21. Leaning Latex
    a. complete tutorial for making documents
    b. **complete tutorial for making presentations**
22. **Vehicular Network as a Sensor Network**
23. **Complex Networks**
24. **Sensing and Internet-of-Things (IoT) for smart cities**
25. **Information communication technology in E-health systems**
26. **Enabling wireless and mobile technologies for smart cities**
27. **Green systems and energy efficiency**
28. **Social computing and networks**
29. **Testing of software models using automata theory**
30. **other topics can also be taken from faculty coordinators**

Important Instructions
1. Topics will be allotted on first come first serve basis after submitting an abstract of 2 pages for the topic
2. Last date of submitting topics is 31st January 2016, meeting for discussion on topics is on 11-01-2015, all students need to be present on the day
3. Own topic is allowed but approval of undersigned is to be taken for that.
4. Report should strictly adhere to the format provided by undersigned
5. Single hardcopy of report will be needed
6. It is mandatory to submit soft copy of the seminar report on email ID asgnsub.saurabh@gmail.com
7. the subject of the email must be (student_name, RTU_roll.no, seminar report, 2015-16)
8. Topics in bold will carry extra marks (max 10)
9. A poster competition will be held in April, winners will be awarded and given certificates
10. The references must be from google scholar only https://scholar.google.co.in/ not directly from the websites

Dalpat Songara & Saurabh Maheshwari
Faculty Coordinator
Seminar CS (A & B)