

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA-8
(Affiliated to Krishna University, Machilipatnam)

SYLLABUS

Subject: Computer Science

Semester: V/VI

**Course Title: Real Time Governance
System**

Course Code: 20CSSEC32RG3

No. of Hours: 45

LTP: 300

Credits: 3

Objectives

- To learn E-Governance implementation in several Indian states and countries.
- To analyze the real time applications of RTGS.

Course Outcomes

CO1: Appreciate the terms regarding Governance, E-Governance and RTGS.

CO2: Learn about E-Governance Infrastructure.

CO3: Understand the E-Governance implementation in several countries.

CO4: Understand the E-Governance implementation in several Indian states.

CO5: Analyze the applications of RTG.

UNIT- I

(9 Hrs.)

Introduction to E-Governance, Government, Governance and Good Governance – What is E-Governance or Electronic Governance? , E-Government and E-Governance -A conceptual Analysis - Objectives, Components, application domains, four phase model, implementing E-Governance, issues while implementing E-Governance Opportunities and challenges, Types of E-Governance, What is Real-Time Governance (RTG), Real Time Governance Society (RTGS) - Programming Exercises.

UNIT- II

(9 Hrs.)

E-Governance Infrastructure – Data Systems infrastructure, Executive Information Systems, Management Information Systems, Knowledge Management Systems, Transaction Processing Systems, Legal Infrastructural preparedness, IT Act 2000, Challenges to Indian law and cybercrime scenario in India, Amendments of the Indian IT Act, Institutional Infrastructural , preparedness, Internet, intranet, extranet, Human Infrastructural preparedness, Top-level management, Middle-level management, Low-level management, Technological Infrastructural preparedness, Information and communications technology, Data , Warehousing, Cloud Computing - Programming Exercises.

UNIT-III

(9 Hrs.)

Country profiles of E-Governance: INDIA, US, UK, CHINA, DUBAI -

Programming Exercises.

UNIT-IV

(9 Hrs.)

E-Governance in India – Andhra Pradesh, Karnataka, Kerala, Uttar Pradesh, Maharashtra, West Bengal, Gujarat - Programming Exercises.

UNIT-V

(9 Hrs.)

Latest Applications in Real Time Governance – Agriculture, Rural Development, Education, Tourism, Commerce and Trade - Programming Exercises.

Co-Curricular Activities

- Assignments on problem solving
- Group discussions
- Student presentations and seminars
- Online quizzes
- Project work

Prescribe Text Books

1. E-Governance: concepts and case studies| CSR Prabhu| Prentice-Hall|.
2. E-Governance| Niranjani, Sanhari Mishra | Himalaya Publishing House.

Website References

1. <http://www.egov4dev.org/success/case/>
2. <https://vikaspedia.in/e-governance/resources-for-vles>
3. <https://altametrics.com/en/information-systems/information-system-types.html>
4. <https://core.ap.gov.in/CMDashBoard/Index.aspx>

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA – 8
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Blueprint

Subject: Computer Science
Course Title: Real Time Governance
System

Semester: V/VI
Course Code: 20CSSEC32RG3

Time: 3 Hrs.

Max. Marks: 100

SECTION – A

Answer **ALL** questions

20 x 1 = 20M

Q. No.	UNIT	Marks Weightage	RBT LEVEL
1	I	1	No. of questions to be set RBT1 – 8 RBT2 – 8 RBT3 – 2 RBT4 – 2
2	I	1	
3	II	1	
4	II	1	
5	III	1	
6	III	1	
7	IV	1	
8	IV	1	
9	V	1	
10	V	1	
11	I	1	
12	I	1	
13	II	1	
14	II	1	
15	III	1	
16	III	1	
17	IV	1	
18	IV	1	
19	V	1	
20	V	1	

SECTION – BAnswer any **FOUR** questions**4 x 8 = 32M**

Q. No.	UNIT	Marks Weightage	RBT LEVEL
21	I	8	No. of questions to be set RBT1 – 2 RBT2 – 2 RBT3 – 1 RBT4 – 1
22	II	8	
23	III	8	
24	IV	8	
25	V	8	
26	I / II / III / IV / V	8	

SECTION – CAnswer any **FOUR** questions**4 x 12 = 48M**

Q. No.	UNIT	Marks Weightage	RBT LEVEL
27	I	12	No. Of questions to be set RBT1 – 2 RBT2 – 2 RBT3 – 1 RBT4 – 1
28	II	12	
29	III	12	
30	IV	12	
31	V	12	
32	I / II / III / IV / V	12	

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA – 8
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Model Question Paper

Subject: Computer Science

Semester: V/VI

**Course Title: Real Time Governance
System**

Course Code: 20CSSEC32RG3

Time: 3 Hrs.

Max. Marks: 100

SECTION – A

Answer **ALL** questions

20 x 1 = 20M

1. Which of the following states has developed India's first Smartphone based e-voting solution?
 - A. Maharashtra
 - B. Kerala
 - C. Karnataka
 - D. Telangana
2. What is the minimum amount of money that can be transferred through RTGS?
 - A. Rs 2 lakh
 - B. Rs 2.5 lakh
 - C. Rs 3 lakh
 - D. Rs 5 lakh
3. Information Technology Act, 2000 came into force on?
 - A. January 2001
 - B. 11 June 2000
 - C. 17 October 2000
 - D. 24 December 2002
4. Which among the following was established under IT Act, 2000 to resolve disputes arising from the law?
 - A. Cyber Appellate Tribunal
 - B. Technology Disputes Bureau
 - C. Cyber Administrative Tribunal
 - D. IT Disputes Tribunal
5. The central government's initiative aimed at bringing masses within the formal banking system is called:
 - A. Jan Bank Yojana
 - B. Jan Dhan Yojana
 - C. Jan Aadmi Yojana
 - D. Jan Rupaya Yojana

6. The movement's new regime moved to the Tokugawa capital of _____ and renamed it Tokyo.
 - A. Edo
 - B. Chiba
 - C. Osaka
 - D. Nagoya
7. "Five Star Village Scheme" started by government of India in September 2020 relates to which one of the following?
 - A. Electricity Supply
 - B. Postal Service Schemes
 - C. Health Services
 - D. Primary Education
8. The Chief Minister of which state launched the "Duare Ration" scheme in November 2021?
 - A. Odisha
 - B. Andhra Pradesh
 - C. Tamil Nadu
 - D. West Bengal
9. In Indian banking, What are RTGS and IFSC?
 - A. Remittance To Guided Settlement, Internal Financial System Call
 - B. Remittance To Guided Settlement, International Financial System Call
 - C. Real Time Gross Settlement, Indian Financial System Code
 - D. Real Time Guided Settlement, International Financial System Code
10. Education Loans
 - A. Cover tuition fee & expenses
 - B. Are repayable after completion of course
 - C. Granted for studies in India & abroad
 - D. All of above
11. e-governance implies government functioning with _____
12. _____ is a technology that scrambles the content of files sent through internet.
13. _____ paperless exchange of electronic information
14. The term WAN refer to _____.
15. Electronic exchange of business documents in a standrad format is known as _____.
16. E-government initiatives in Dubai, was changed to the _____.
17. _____ social welfare scheme was lanched for children health and

malnutrition.

18. "Ask Disha" is _____.

19. Payment of cheque can be stopped by _____

20. Pradhan Mantri Suraksha Bima Yojana (PMSBY) is _____

SECTION – B

Answer any **FOUR** questions

4 x 8 = 32 M

21. Define E-Governance? Explain objectives and components?

22. Describe the E-Governance Infrastructure?

23. Explain China country profile of E-Governance?

24. Demonstrate how E-Governance is implemented in Kerala?

25. How RTGS is implemented in Agriculture sector?

26. Discuss E-Governance initiatives in West Bengal

SECTION – C

Answer any **FOUR** questions

4 x 12 = 48 M

27. Describe the types of E-Governance? Explain implementing issues and challenges?

28. Explain the IT Act 2000 challenges to Indian law and cyber-crime scenario in India?

29. Compare and contrast E-Governance in India with other countries

30. Explain the implementation of E-Governance in AP?

31. Discuss latest applications in real time governance?

32. Discuss E-Governance initiatives in India?