


ACTIVITY REPORT FORMAT

1.	Name of Activity (Title)	Lecture Series on “Data Communication Concepts”
2.	Type of Activity (FDP/Lecture/Technical/conference etc.)	Lecture Series
3.	Speaker	Prof. Ashutosh Dixit
4.	Name of department/ Section/ cell conducting the activity	Department of Computer Engineering
5.	In coordination with (if any)	Department of Computer Applications
6.	Date of conduct	12th December, 2022, Monday
7.	Name of Activity Coordinator (s)	Dr. Poonam & Ms. Raveena
8.	Amount Spent	NIL
9.	Funding/ grant from (University/ Industry/ UGC/ AICTE/ DST/ TEQIP/ Outside Society/ agency/others (mention)	NIL
10.	Target audience	UG,PG, PhD scholars, Faculty members of Computer Engineering Department
11.	No. of beneficiaries	21
12.	Name of Outside guests	NIL
13.	Any other information	-
14.	Also attach two/ three good quality photographs	<div style="text-align: center;"> <p>J.C. Bose University of Science & Technology, YMCA, Faridabad, Haryana (A Haryana State Government University) <small>(Established by Haryana State Legislative Act No. 21 of 2009 & Recognised by UGC Act 1956 u/s 22 to Confer Degrees)</small> Accredited 'A+' Grade by NAAC</p> <p>FACULTY OF INFORMATICS AND COMPUTING LECTURE SERIES ON-"DATA COMMUNICATION CONCEPTS" MONDAY, DEC 12, 2022 (3:00 PM) VENUE-SMART CLASS ROOM, CE DEPARTMENT, GROUND FLOOR</p>  <p>DR. ASHUTOSH DIXIT HAS MORE THAN 18 YEARS OF TEACHING EXPERIENCE. HE HAS PUBLISHED MORE THAN 80 RESEARCH PAPERS IN VARIOUS INTERNATIONAL JOURNALS AND CONFERENCES OF REPUTE. HE HAS SUCCESSFULLY SUPERVISED 7 PHD THESES AND CURRENTLY SUPERVISING 3 PHD RESEARCH SCHOLARS. PRESENTLY HE IS PROFESSOR IN DEPARTMENT OF COMPUTER ENGINEERING AND DEAN, ACADEMIC AFFAIRS AT J. C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA, FARIDABAD, HARYANA. HE HAS ONE ONGOING RESEARCH PROJECT FUNDED BY AICTE AND ONE INTERNATIONAL PATENT TO HIS CREDIT. HIS RESEARCH INTERESTS INCLUDE INTERNET AND WEB TECHNOLOGIES, DATA STRUCTURES AND ALGORITHMS, COMPUTER NETWORKS AND MOBILE & WIRELESS COMMUNICATIONS.</p> <p><i>Faculty members, research scholars and PG students of all the departments are cordially invited.</i></p> <p>Prof. C.K. Nagpal (Dean FIC) Prof. Atul Mishra (Chairperson CE Department) Prof. Manjeet Singh (Chairperson CA Department) Dr. Poonam & Ms. Raveena (Coordinator)</p> </div>



Efficiency = $\frac{\text{No. of bits (information) per frame}}{\text{sum transmission time}}$

Transmission time = $t_p + t_q + t_r + t_s$
 $t_p = \frac{L_p}{C}$
 $t_q = \frac{L_q}{C}$
 $t_r = \frac{L_r}{C}$
 $t_s = \frac{L_s}{C}$

Frame size = 2000 bytes
 Overhead = 5 bytes
 Propagation = 1000000 m/s
 ACK size = 10 bytes
 Processing delay = 25ms

Efficiency = $\frac{2000 \times 8}{2000 \times 8 + 5 \times 8 + 1000000 \times 8 + 25 \times 1000000}$

Efficiency = 39.8%

Efficiency = $\frac{\text{No. of bits (information) per frame}}{\text{sum transmission time}}$

Transmission time = $t_p + t_q + t_r + t_s$
 $t_p = \frac{L_p}{C}$
 $t_q = \frac{L_q}{C}$
 $t_r = \frac{L_r}{C}$
 $t_s = \frac{L_s}{C}$

Frame size = 2000 bytes
 Overhead = 5 bytes
 Propagation = 1000000 m/s
 ACK size = 10 bytes
 Processing delay = 25ms

Efficiency = $\frac{2000 \times 8}{2000 \times 8 + 5 \times 8 + 1000000 \times 8 + 25 \times 1000000}$

Efficiency = 39.8%

Efficiency = $\frac{\text{No. of bits (information) per frame}}{\text{sum transmission time}}$

Transmission time = $t_p + t_q + t_r + t_s$
 $t_p = \frac{L_p}{C}$
 $t_q = \frac{L_q}{C}$
 $t_r = \frac{L_r}{C}$
 $t_s = \frac{L_s}{C}$

Frame size = 2000 bytes
 Overhead = 5 bytes
 Propagation = 1000000 m/s
 ACK size = 10 bytes
 Processing delay = 25ms

Efficiency = $\frac{2000 \times 8}{2000 \times 8 + 5 \times 8 + 1000000 \times 8 + 25 \times 1000000}$

Efficiency = 39.8%