

## INSTITUTE OF INFORMATION TECHNOLOGY JAHANGIRNAGAR UNIVERSITY

**Number of Assignment**: 01

**Submission Date** : 24/07/2023

**Course Tittle** : Artificial Intelligence

Course Code : ICT - 4101

## **Submitted To**

Dr. Mohammad Shahidul Islam

Professor

IIT - JU

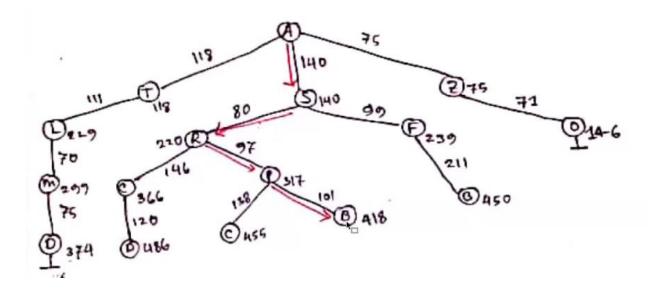
## **Submitted By**

Md. Shakil Hossain

Roll - 2023

4th year 1st Semester

IIT-JU



Current	Edge states	Visited Hates
1 (0) >	T(118), S(140), 7 (75)	A
7177	0 (146), 5(140), T(118)	A,Z
+ (110)-)	L (229), 5(140), 0 (146)	T,5,A
S (140)-	L(229), O(146), R(220), F(239)	AAATTS
0(146)-	nod and	A.2, T, S, D
Q (220)-	- 1-1/\ D/217\	A, 2, T, 5, O, R
L (229)-	F(239), C(366), P(317), M(299)	A, 2, T, S, O, R, L
	> F(239), ((366), P(317), D(374)	1,2,T,5,0,R,L,M
	B (450), ((360), P(317), D(374)	A.2.T.S,O.R.L,M.F
P (317)-	B (418), C(455), C(366), P(317), D(374)	12.T, S, O, K, L, M, F
	D(486) . B(418) . C(455) , D(374)	A.Z.T. S.O. F.L.M.F.C
	> Dead end	1,7,7,5,0,R, L M.F.(
E. (418) -		Found!

path: Aread > Sibiu > Rimnieu vileea > Poth cost: 140+80+97+101 = 418.