Page \(\)
PRANAV JAHADECSH IBMI8CSO71 BATCH 2
1 2 2
Inflement DijRetra Algorithm to find Shortest path
include < bits / std c++. h>
ming namerface eld;
int a[30][30], n;
int minimum (int wirited [], int diet [])
int minda = 10000, mini,
for (int i = 0; i < n; i+t)
if (nivited [;) && dist (;) < mindis)
j mindis = diet [i]; · mini = i;
3
3
return mini;
3
noid dijkstra (int me)
} int dist(n), writed(n);
for (int $j = 0$; ich jitt)
{ dist (i) = 10000;
viuted [i]=o;
3
dist [bre] = 0;
for (int i = 0 ; i(n-1; i++)
funt u = minimum (milited, dut);
purited $(n) = 1$) for $(int V = 0; V < n; V + t)$ { if $(! \text{ winted}(v) \& a(u)(v) = 10000 \& l$ dist $(u) = 10000 \& l \text{ dist}(u) + a(u)(v)$ C dist $(u) = 10000 \& l \text{ dist}(u) + a(u)(v)$
{ ' if [! nuited (v) & a[u)(v) = 10000 & d
dist ["u] 1 = 10000 & & dist [a) +a[u][v]
< diet [v])

