



# St. Joseph's Degree College Sunkesula Road Kurnool

**Department of Statistics** 

Add on course on the basis of "Sequencing theory"

Academic Year – (2019-2020)

**B. Mallika** M.Sc, B.Ed Head of Department Department of Statistics

## Add-on Course – SEQUENCING THEORY

Department of Statistics conducted Add-on Course for II year students based on Sequencing Theory. It's have been done from 22/6/2019 to 26/10/2019. This course was conducted every Saturday last two hours of a week.

### **Lecturers attended:**

- 1) B. Mallika
- 2) I. Kalyani
- 3) K. Keerhi Madhuri
- 4) K. Raghavendra

Support to documents of the event as follows,

## **Course objective**

To enrich the knowledge of students with advanced techniques of linear programming problem along with real life applications.

## **Request letter**

### **Request Letter**

07-06-2019 Kurnool

To
The Chairman,
Internal Quality Assurance Cell,
St.Joseph's Degree College,
Kurnool.

Respected Sir/Madam,

Sub: Requisition to seek permission for conducting Add on course-Reg.

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As per the discussion of the faculty members of statistics Department wants to conduct Add on course for the second year students based on "Sequencing Theory" to enhance academic knowledge regarding the subject on every Saturday last two hours. Hence we request you to kindly give us permission.

Thanking You,

Yours faithfully,

(B.Mallika)

Head of the Department Department of Statistic

## **Circular to the students**

# St. Joseph's Degree College Sunkesula Road Kurnool

## Circular

All the II<sup>nd</sup> year students of statistics are hereby informed that there will be an Add-on course based on "<u>Sequencing Theory "on</u> every Saturday for the last two hours.

(B.Mallika)

Head of the Department Department of Statistics

## **SYLLABUS**

# St.Joseph's Degree College Sunkusela Road-Kurnool Department of statistics

Add-on course: Sequencing Theory Hours:30

### **Syllabus**

- Sequencing problem: Introduction and assumptions of the sequencing problem.
- Sequencing of n Jobs and one machine problem. Johnson's algorithm for n jobs and two machines problem- problems with n-jobs on two machines.
- Gantt chart algorithm for n jobs on three machines problemsproblems with n-jobs on three machines, algorithm for n jobs on m machines problem.
- Problems with m-machines.
- Graphical method for two jobs on m-machines.
- Network Scheduling: Basic components of a network, nodes and arcs, events and activity- rules of network construction- time calculation in networks- critical path method and PERT

## **ATTENDENCE**

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## **Program photos**



## **TEST- QUESTION PAPER**

### St.Joseph's Degree College

#### Sunkesula Road, Kurnool

#### Add-on course

Sub: Sequencing and theory Time:1 Hour Max.Marks:30

I. Answer the following Two questions

2x5=10

- 1. What are the assumptions for job sequencing?
- 2. What are the types of job sequencing problems?
- II. Answer the following any Two Questions

2X10=20

3. Consider the below table for jobs given with profit and deadline:

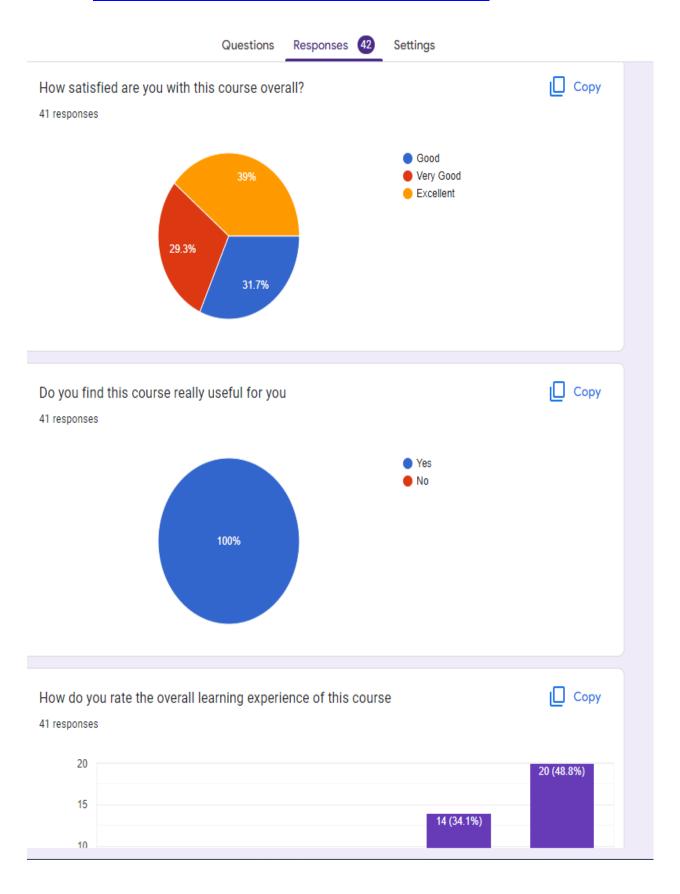
Job	J1	J2	J3	J4	J5	J6	J7	J8	J9
Profit	15	20	30	18	10	23	16	25	17
Deadline	7	2	5	3	4	5	2	7	3

Find the Maximum profit earned?

- 4. If Jobs J= (J1,J2,J3,J4) are given their processing time Ti=(1,1,2,3) and deadlines are Di=(3,4,2,3) Maximum how many jobs can be done?
- 5. Explain the n-jobs and K-Machines Algorithm procedure.

## **FEEDBACK**

Link: <a href="https://forms.gle/rm6UfWdHmLr583zP6">https://forms.gle/rm6UfWdHmLr583zP6</a>



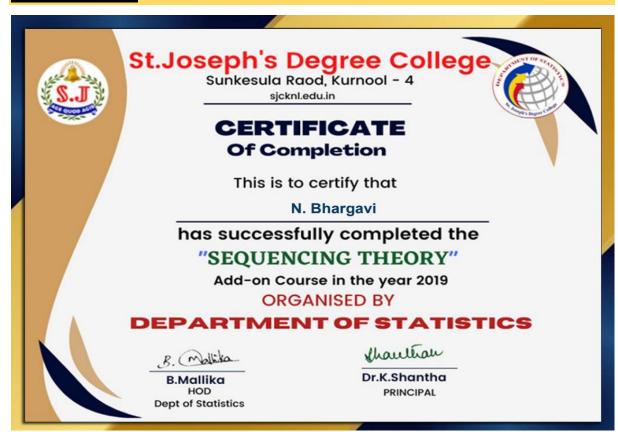


#### SEQUENCING THEORY (Add-on) Course (Responses) ☆ 🖭 🗆

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	A	В	С	D	E	F	G
	Timestamp	Email Address	Name of the Student	Mobile No. (Whats App N	How satisfied	a Do yo	Hov
	11/4/2022 12:57:57	charishmasingamsetty333@gmail.com	Singamsetty Charishma	9912211032	Good	Yes	4
	11/4/2022 13:01:16	narlabhargavi01@gmail.com	N. Bhargavi	8639515170	Very Good	Yes	
	11/4/2022 13:01:50	bhanumahi1438@gmail.com	Pinjari Bhanu Bi	9949066004	Excellent	Yes	
	11/4/2022 13:04:23	pravallikareddy221@gmail.com	Gundam Pravallika	9381970014	Very Good	Yes	
	11/4/2022 13:06:50	mansashikumar@gmail.com	Sashikumar Mangali	9014997242	Good	Yes	
	11/4/2022 13:08:58	banalaaravind2022@gmail.com	B.Aravind Achary	9640386100	very good	Yes	
	11/4/2022 13:10:12	akshaysakunala@gmail.com	Akshay Kumar	6302106516	Very Good	Yes	
	11/4/2022 13:11:40	nagacharan6182@gmail.com	K.Naga Charan	9441133362	Excellent		
	11/4/2022 13:16:01	pothugantileninkumar143@gmail.com	Pothuganti Lenin kumar	7013532176	Very Good	Yes	
	11/4/2022 13:18:45	saiparamesh14@gmail.com	Soma Sai paramesh	9154739188	Excellent	Yes	
	11/4/2022 13:23:58	bogoluruchi246@gmail.com	B.Rohini	9553889943	Very Good	Yes	
	11/4/2022 13:33:21	kavyalatha9440@gmail.com	R.Kavya Latha	9949900745	Good	Yes	
	11/4/2022 13:36:38	aneeshaik0@gmail.com	S.Anees	7995467080	Very Good	Yes	
	11/4/2022 13:37:15	ittesirisha22009@gmail.com	ITTE SIRISHA	7601060659	Very Good	Yes	
	11/4/2022 14:33:03	vamsireddy0494@gmail.com	Gottipati Vamsi Reddy	7013428511	Very Good	Yes	
	11/4/2022 14:42:56	gowtham95055@gmail.com	G Gowtham	9505585857	Excellent	Yes	
	11/4/2022 14:55:44	narendrapalla0@gmail.com	Palla Narendra	7093223367	Good	Yes	
	11/4/2022 15:05:11	donthusunilkumar2000@gmail.com	Donthu Sunil Kumar	9030408036	Excellent	Yes	
	11/4/2022 15:06:35	pavankumar89195@gmail.com	K. Pavan kumar	8919533153	Excellent	Yes	
_	11/4/2022 15:17:36	bhasker.kanchanam@gmail.com	K Bhaskar Babu	9391532787	Good	Yes	

## **E-certificate**





## **OUTCOMES:**-

- 1. It helps in better learning and application.
- 2. This technique allows students not only to practice the problems but also evaluate their own performances, self-assessment included.
- 3. To minimize the total elapsed time in an industry by efficient allocation of jobs to the suitable persons.