



St. Joseph's Degree College
Sunkesula Road
Kurnool

Department of Statistics

Add on course on "Statistical Quality Control"

Academic Year – (2023-2024)

I. Kalyani M.Sc., B.Ed.
Head of Department
Department of Statistics

Course – STATISTICAL QUALITY CONTROL

Department of Statistics conducted Add-on Course for II-year students based on Statistical control control. It is have been done from 06/03/2024 to 27/03/2024. This course was conducted every day from 3:00 p.m.to 5:00 p.m. these classes are conducted by lecturer P. Moulali.

Course objective

The main purpose of SQC is to derive statistical techniques that help separate assignable causes of variation from chance causes with real life applications.

Support to documents of the event as follows,

Request Letter

04-03-2024

Kurnool

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

Respected Sir/Madam,

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

As per the discussion of the faculty members of statistics Department wants to conduct Add on course for the second-year students based on "Statistical quality control" to enhance academic knowledge regarding the subject on every day from 3:00 p.m. to 5:00 p.m. Hence, we request you to kindly give us permission.

Thanking You,

Yours faithfully,

(I. Kalyani)

Head of the Department
Department of Statistics

Circular to the students:

St. Joseph's Degree College
Sunkesula Road Kurnool

Circular

All the IInd year students of statistics are hereby informed that there will be an Add-on course based on "**Statistical Quality Control**" every day from 3:00 P.m. to 5:00 P.m.

(I. Kalyani)

Head of the Department
Department of Statistics

SYLLABUS

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

Add-on course: Statistical Quality Control

Hours:30

Syllabus

Module 1:

6 Hours

Importance of SQC in industry, statistical basis of Shewart control charts, uses of control charts. Interpretation of control charts, control limits, Natural tolerance limits and specification limits.

Module 2:

12 Hours

Variable Control Chart: Construction of \bar{X} bar, R charts for variables, Attribute control charts- NP, P charts, C chart.

Module 3:

6 Hours

Acceptance sampling plans: Scope, Producer's risk & consumer's risk. Concepts of AQL & LTPD.

Module 4:

6 Hours

Sampling Plans: Single and double sampling plans, OC and ASN functions, Double and single Sampling plans for attributes using Binomial.

Program photos



TEST- QUESTION PAPER

St. Joseph's Degree College

Sunkesula Road, Kurnool

Add-on course

Sub: Statistical Quality Control

Time:1 Hour

Max.Marks:30

Answer any **TWO** of the following questions

2x9=18 M

1. Explain shewart control chart
2. Explain Mean and Range chart
3. Explain single sampling plan method in OC- Course

Answer any **THREE** Questions.

3x4=12 M

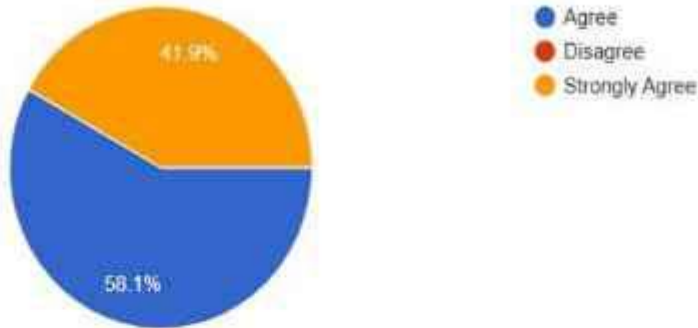
4. Define SQC and write its uses
5. Explain p- chart in two cases
6. Define AQL and LTPD
7. Define 3σ limits
8. Define ASN and OC- Curve

FEEDBACK

Was the training course really helpful to you?



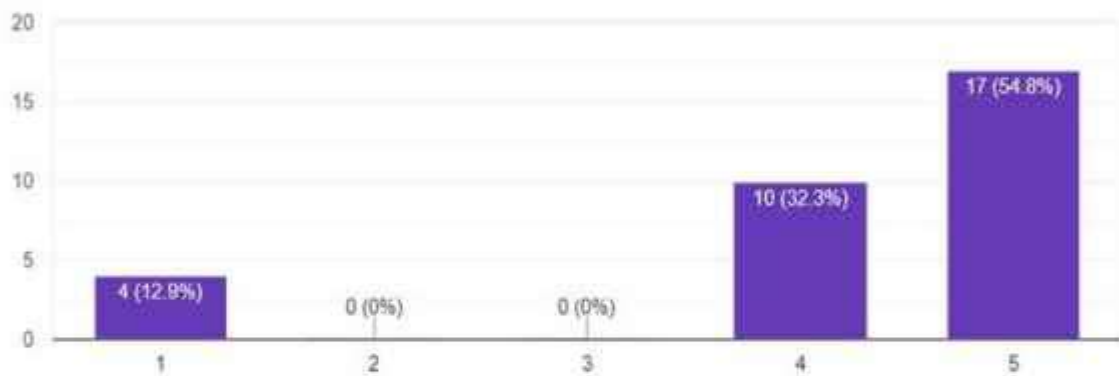
31 responses



How would you rate your overall learning experience?



31 responses



SQC (Add-on Course) - Feedback (Responses) | WorkingHours

ID	Timestamp	User Address	Name of the Student	Mobile No (With App No)	Do you feel that your skills have improved?	Was the training course helpful to you?	Overall Doc ID - SQC-24
1	3/27/2024 10:12:47	indiyani001@gmail.com	I KAN YAM	98340474204	Yes	Strongly Agree	16422162a79c90e444
2	3/27/2024 10:11:48	shakshiqegun04@gmail.com	Shameer Jagann	7326642455	Yes	Strongly Agree	171759148a3c90e444
3	3/26/2024 16:57:39	reddiboy1714@gmail.com	D.Sri Arav	9955032995	Yes	Strongly Agree	16a169e109a9e0e444
4	3/26/2024 11:16:57	madhukrishna04@gmail.com	RISHAVSIDDHANTHA	9816441163	Yes	Agree	16d1529e72_2ab380e444
5	3/26/2024 14:23:31	saarsha2020104@gmail.com	UJJA	7718660106	Yes	Agree	16a240391f0a90e444
6	3/26/2024 14:22:39	janu.palrajee@nu.123123.com	Jinu Jindu	8077422564	Yes	Strongly Agree	17172029f9819a00e444
7	3/26/2024 14:10:52	abhinav10@gmail.com	C Lakshya Dora	9274688587	Yes	Agree	183126_e07253a99e0e444
8	3/26/2024 14:23:03	padmakrishna03@gmail.com	PADMAKRISHNA	9819862745	Yes	Agree	16a169e109a9e0e444
9	3/26/2024 14:23:01	praveenbabu03@gmail.com	Praveen Babu	9519164756	Yes	Agree	16a169e109a9e0e444
10	3/26/2024 14:41:38	satishbabu04@gmail.com	Satish Babu Lakshmi	1013108432	Yes	Strongly Agree	16d1529e72_2ab380e444
11	3/26/2024 14:14:07	saarsha2020104@gmail.com	RISHAVSIDDHANTHA	7718660106	Yes	Agree	16a240391f0a90e444
12	3/26/2024 22:21:39	sharadnysa06@gmail.com	Shraddha Jayant	8541110520	Yes	Strongly Agree	16a169e109a9e0e444
13	3/27/2024 8:22:03	shakshiqegun04@gmail.com	Shameer	7326642455	Yes	Agree	171759148a3c90e444
14	3/27/2024 14:12:16	indiyani001@gmail.com	Indiya	98340474204	Yes	Strongly Agree	16422162a79c90e444
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16	3/27/2024 14:12:24	shakshiqegun04@gmail.com	Shameer Jagann	7326642455	Yes	Strongly Agree	171759148a3c90e444
17	3/27/2024 14:12:04	shakshiqegun04@gmail.com	Shameer Jagann	7326642455	Yes	Strongly Agree	171759148a3c90e444
18	3/27/2024 14:25:07	padmakrishna03@gmail.com	Padma Krishna	9519164756	Yes	Agree	16a169e109a9e0e444
19	3/27/2024 15:22:11	ankuragupta04@gmail.com	Ankur Gupta	9722915740	Yes	Agree	16f152e9721cab380e444
20	3/27/2024 15:22:02	ankuragupta04@gmail.com	Ankur Gupta	9722915740	Yes	Agree	16f152e9721cab380e444
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28	3/27/2024 15:22:02	ankuragupta04@gmail.com	Ankur Gupta	9722915740	Yes	Agree	16f152e9721cab380e444
29	3/27/2024 15:22:02	ankuragupta04@gmail.com	Ankur Gupta	9722915740	Yes	Agree	16f152e9721cab380e444
30	3/27/2024 15:22:02	ankuragupta04@gmail.com	Ankur Gupta	9722915740	Yes	Agree	16f152e9721cab380e444
31	3/27/2024 15:22:02	ankuragupta04@gmail.com	Ankur Gupta	9722915740	Yes	Agree	16f152e9721cab380e444

E-certificate



St. Joseph's Degree College
Sunkesula Road, KURNOOL - 518 004 , A.P
www.sjckni.edu.in

Certificate of Completion
This is to certify that

Mr. / Ms. TELUGU SUSMITHA of _____
II MSCs - A

has successfully completed Add On Course on
STATISTICAL QUALITY CONTROL
from 06 March, 2024 to 27 March, 2024
Organized by
Department of Statistics

I. Kalfani
HOD

[Signature]
Vice Principal

[Signature]
Principal



St. Joseph's Degree College
Sunkesula Road, KURNOOL - 518 004 , A.P
www.sjckni.edu.in

Certificate of Completion
This is to certify that

Mr. / Ms. V.Sri Harshini of _____
II MSCs - A

has successfully completed Add On Course on
STATISTICAL QUALITY CONTROL
from 06 March, 2024 to 27 March, 2024
Organized by
Department of Statistics

I. Kalfani
HOD

[Signature]
Vice Principal

[Signature]
Principal

OUTCOMES:-

After learning this course, the student will be able

1. To define 'quality' in a scientific way
2. To differentiate between process control and product control
3. To speak about quality awareness in industry
4. To pave a path to an industry to meet the standards
5. To effectively implement various plans to control the quality standards at various stages of an industry.