A BIMONTHLY PUBLICATION OF NIQR TRIVANDRUM BRANCH

FOR PRIVATE CIRCULATION AMONG MEMBERS ONLY

No 01/2022

Jul 2021 - Jan 2022

Special Issue



Tribute to NK Debnath

Passed away on 4 June 2021

As a tribute to NK Debnathji a special issue of QR Views is being brought out. His contribution for the growth of NIQR is brought out here. To remember him some snippets are also presented in this Special Edition.

Editorial Team







NATIONAL INSTITUTION FOR QUALITY AND RELIABILITY FOR ONE DAY SENTING ON ISO S

THIRUVANANTHAPURAM BRANCH

ON ISO

SENTING TO THE THIRUVANANTHAPURAM ON ISO

BHARAT HOTEL, ERNAKULAM

BHARAT HOTEL, ERNAKULAM VIEWS= A SIMONTHLY PUSLICATION OF NIGH TRIVANORUM BRANCH NIQR Chairman Mr. K. Rajagopal Mr. S. Rajagopal Mr. S. Rajagopal Mr. S. Rajagopal Mr. Augusta Mr. Augusta Mr. K. Yasudayan FOR PRIVATE CIRCULATION AMONG MEMBERS ONLY 6.00 November December 1991 It is well known that Quality Circle was formed in 1962 in Japan. To start with, the main concentration was to form groups on shop in Japan. Such that Departments of the principles of the Japanese Union for Scientists & Engineers and Japan had 3 lakh Quality Circle activities in Japan. As an December that December 1939 would be around that the total number of careful than 2,000 Quality Circle contents with JUSE. There are many conducted more than 2,30,000 participants up to December 1939 would be around 17,44,000. JUSE has conducted more than 2,30,000 participants up to December 1939, it has also Quality Circle Contests. Every year around 180 for the property of the paper MESSAGE Dr. P. V. S. Namboodrina

Mr. N. K. Debrath

Mr. T. Chockal ingam

Mr. Thempi Thomas 24, October 1981 Branch Chairman Vice Cheirman Secretary Treasurer No. NAME : One Day Seminar on .. ISO 9000 and its implications ...
Sub : One Day Seminar on ... ISO 9000 and its implications ...
at Bharat Hotal, Ernakulam, December 7, 1991. If you are in export business either as direct exporter or as supplier outstands by ordinary and the product of SSC No. NIQRITYMIST SEM OT ub: One Day Seminar of Augusta Control of Seminar of Se consected more than 2,50,000 Quality Circle Contests. Every year around 180 Conferences on Quality Circles.

They have also organised 4 International RR la IL INSTITUTION FOR QUALITY AND RELIABILITY NE DAY SEMINAR ON ISO 9000 Vice Chairman, NIOR Trivendrum Branch AND ITS IMPLICATIONS SEPTEMBER 11, 1991

HOTEL PANKAJ, THIRUVANANTHAPURAM

HIGK

Convenor : Mr. K. Rajagopal Mr. S. Rajagopalan Dr. P. V. S. Namboodiripad Mr. N. K. Debnath Mr. T. Chockalingam 12. August 1991 Mr. Thampi Thomas ary ref

NIOR/TYM 91 SEM/01

Sir/Madam,

Sub : One Day Seminar on 'ISO 8000 and its implications', at Hotel Panks, Thiruvananthspursm, September 11, 1891.

You may be aware that International Quality System is becoming almost mandatory for the products to European countries from Jenuary 1992. International Organisation for the products to European countries from Jenuary 1992. International Standards on quality assurance of the product of the product. The customers at international level judge the quality of the product of the products. The customers at international level judge the quality of the product of the products.

To introduce and clarify about 1SO 9000 to the industries in Kerala, NIQR Thiruvananthepuraments of the industries on September 11, 1991. The Branch is organising a Seminar on "ISO 9000 And Its Implications" on September 11, 1991. The seminar Will highlight the various features of ISO 9000 and models for their implementation. It is uniquely the various implications of the industries which adopt it.

annel in Research & Development, Production, Qualify

QUALITY IMPROVEMENT THROUGH QUALITY SOLDERING General Manager (QA) CQAD, Keltron

10 INTRODUCTION

"Quality", in the shop floor is defined as conformance to specifications or specified conformance to specifications or specified standards. Of course, those specifications and standards drawn up so as to make the sproduct "Fit for use" by the customers of the users. It is well known that Quality has three definite phases viz. Quality of Design. Quality of Conformance and Quality of Performance. The Quality of Conformance is mainly taken care of during the manuof Performance. The Quality of Conformance is mainly taken care of during the manufacturing processes. Therefore, there is a need to standardise the process so as to optimise the Quality of Conformance.

in Electronic Industry, one of the vital operations dealing with Quality of Conformance is interconnection. There are different types of interconnection tackniques such as types of interconnection techniques such as operations interconnection techniques such street was provided by the soldering crimping, wire wrapping etc. Most soldering, crimping, wire wrapping etc. Most soldering, crimping, wire wrapping etc. Most wrapping etc. Most

and residues such as finger grease is essand residues such as linger grease is essintial for good soldering. A good solder
joint can be described as
shiny undisurbed, fully
solder fillet between the components and
the conductor patterns. There are three
soldering techniques such as hand soldering,
machine soldering, and dip soldering. Dep. soldering techniques such as hand soldering.

machine soldering, and dip soldering. Depresenting on the economic viability & Quality
equirement, a particular method is to be
selected and the process materials suitable
for that method has to be made available.

Many a times, it has been found though

for that method has to be made available.

Many a times, it has been found though
there is a standard process it is not being
followed properly mainly because of inadequate training, ignorance, non insistance
for compliance etc. This gives way to
number of solder defects such as cold joint,
for compliance etc. In the properly
into over heated joint, under heated
joint, excess or less solder joint, improperly
joint, excess or less solder joint, over
arranged joints, delamination, pin holes, blow joint, excess or less solder joint, improperly arranged joints, delamination, pin holes, blow holes, dewetting etc. Therefore, a good solder joint shall be free of all these defects, which agents the following considerations. which needs the following considerations.

(a) Proper selection of materials.

- sonis and equipments

Reminiscences an NK Debnath



Shri. C. Athi Pagavan Chairman, NIQR Trivandrum Branch Former Group Director ROA-SISG, IISU

My association with Debnathji started in early nineties. He was instrumental in creation of Quality Circles in KELTRON. When NIQR organized Quality Circles contest, we used to get minimum ten Quality Circles for the contest from KELTRON. Likewise, his contribution in creating awareness on ISO 9000 through NIQR is laudable. His contribution especially for our "QR Views" needs special mention. His messages as Vice Chairman and Quality related articles and case studies are still in our memories. Few years back when I visited his House at Kotturpuram, Chennai Debnathji received me with affection and I had my breakfast with him. The love and affection showered by Mrs.Debnath & Debnathji will be evergreen in my memories.

Tribute to NK Debnath



Shri. M. Manikandan
GM (Rtd.), Keltron &
Ex. Secretary &
Executive Committee
Member of NIQR/IAQR,
Trivandrum Branch.

Shri Nirmal Kumar Debnath, fondly called NK Debnath joined Keltron Controls, one of the leading Divisions of KELTRON in the early eighties and proved his professional capabilities. He established QA systems in the Division. Keltron Controls received many key orders in spite of stiff competition. He was one of the key persons for the Progress and achievement of this Division. In appreciation of his sincere efforts, the Top management of Keltron created a New Department, CQAD (Corporate Quality Assurance Department) at the Corporate level under his leadership to spread the Quality culture in all Divisions and Subsidiaries of Keltron. Within a short span of time, he identified most of the shortfalls. He developed and implemented Quality Systems and Procedures in all Divisions and Subsidiaries of Keltron. He also trained many of us in the Quality Systems and procedures. He also ensured that those systems and procedures were implemented and practised strictly in all those places. Many modern Quality Management Techniques were introduced and practised successfully by him in Keltron. Keltron was a member of some Technical committees of BIS (formerly ISI) during his leadership. Many products of Keltron received Quality certificates during his tenure in Keltron. He was the key person to introduce Quality Culture in Keltron. All in Keltron, from the top to bottom remember him for all the efforts he had put into establishing the Quality Systems. It may be added that his sincerity, dedication, and true professional approach had earned good name and market for many of the Keltron Products, Systems and Projects. He was one of the pillars to make Keltron, a brand name synonymous with quality. He successfully conducted the All India Quality Conference, inaugurated by the then Governor of Kerala in the year 1984, when he was the Trivandrum Branch Secretary of the then IAQR. He was a Guru, a guide and close friend to me. I would like to record that he was one of the main persons, who had contributed to my professional achievements.

Printed and published on behalf of NIQR Trivandrum Branch at baba printers & stationers, Veli, Tvpm., Ph: 9447780261, 6238172919, Email: babaprinters@ymail.com Editorial Board: P. Muthuganapathy, Ph: 9037133943, 0471-2569498, Email: pmuthuganapathy@gmail.com, & A.R. Muralisankar

