



Ramco Institute of Technology

(Approved by AICTE & Affiliated to Anna University)

Accredited by NAAC & an ISO 9001:2015 Certified Institution)

Department of Mechanical Engineering

Five Day webathon on Future topics in Mechanical Engineering

(18.05.2020 – 22.05.2020)



Registration
Free

Computational Mechanics

Mr. A. Bala Ganesa Moorthy
Digital Engineering Services & Solutions
Chennai (3.00 – 4.00 PM)

HEIJUNKA - service industry

Dr.R.Sudhakara Pandian
VIT, Vellore (11.30 – 12.30 PM)

Automotive Diesel Technology – Challenges and Opportunities

Dr.J.Thangaraja
VIT, Vellore (10.00 – 11.00 AM)

Augmented Reality

Mr.J.Jerold John Britto
RIT, Rajapalayam
(11.30 – 12.30 PM)

4D Printing

Dr.P.Sureshkumar
RIT, Rajapalayam
(3.00 – 4.00 PM)

Energy Conservation Save Today & Survive Tomorrow

Dr.V.Sivakumar
RIT, Rajapalayam
(3.00 – 4.00 PM)

Tribology of Polymeric materials a systematic approach

Dr.I.Siva, KARE,
Krishnankoil (10.00-11.00 AM)

CFD in automotive systems

Mr.Brezhnev Jeevandandam
Opel Automobile GmbH
Germany (11.30 – 12.30 PM)

Creo Design Validation using PTC Creo

Mr. S.Magesh & Mr.T.Hari Prasath
Adroitec Engineering Solutions (P) Ltd., Chennai
(10.00 – 11.00 AM)

Patron

Dr.L.Ganesan, Principal

Organizing Head

Dr.S.Rajakarunakaran, Prof./Head,
Mechanical Engineering

Coordinators

Dr.P.Sureshkumar, Associate Professor
Dr.V.Sivakumar, Associate Professor

Application of Robot in Manufacturing Automation

Mr.M.Maheswaran, IMTMA, Bengaluru
(10.00 – 11.00 AM)

Lean Six Sigma

Mr.M.Raguramsingh
Lean Academy, Chennai
(10.00 – 11.00 AM)

Platform

Google Meet

sureshkuarp@ritrjpm.ac.in
vsivakumar@ritrjpm.ac.in

Registration Link

<https://tinyurl.com/ritmechwebathon>

E certificate will be provided to all
the participants



RITRajapalayam



ramco_rajapalayam



<https://chat.whatsapp.com/CzwvnpFbbFvJXSaEGyUtOm>

21.05.20

Modular Production Stations

Mr.S.Valai Ganesh
RIT, Rajapalayam
(3.00 – 4.00 PM)

22.05.20

Lean Manufacturing in Industries

Mr.K.R.Rajkumar
Hydac (India) Pvt Ltd,
Coimbatore.,
(7.00 – 8.00 PM)

Application of MCDM Tools

Dr.S.Godwin Barnabas
RIT, Rajapalayam
(3.00 – 4.00 PM)

Dimensions of Quality for Manufacturing and Service Sector

Dr.A.Senthil Kumar
Panruti University College of Engg,
Panruti (1.00-2.00 PM)

Advanced Mechatronics in Skill Competitions

Mr.P.Manikandan
Christ University, Bengaluru. (11.30 – 12.30 PM)

Stay Home

Stay Safe

Digital Learning

Organized by:

Department of Mechanical engineering, RIT in association with Institution Innovation Council and RIT -
ISTE Faculty Chapter.

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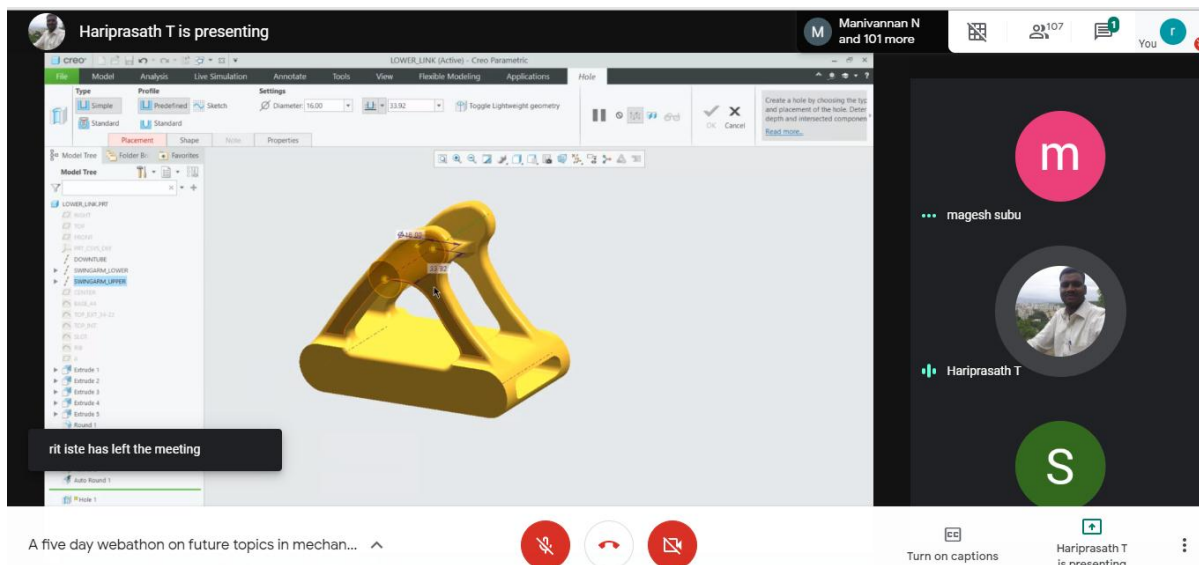
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DAY 1 Five day webathon on future topics in Mechanical Engineering

DAY 1 Session 1: Mr.S.Magesh, Sr. Technical Manager & Mr.T.Hari Prasath, Sr. Application, Adroit Engineering Solutions (P) Ltd, Chennai

Topic: Creo Design Validation using PTC Creo (10 AM to 11:25 AM)

In the first session both the resource person presented about basic designing using Creo to final validation. They explained the basic modelling commands like extrude, round using Creo 7.0. Then they assembled basic cycle shock absorber using animation constraints. They showed how to animate a cad model using mechanisms feature in creo. After simulating the model they gave deep insights about get graphical data from different points in the CAD model. Participants asked questions to the resource person and got clarified. Around 102 members participated and benefited through the session. Mr. J. Jabinth, AP/Mechanical moderated the session & Mr. P. Prabhakaran, AP/Mechanical gave vote of thanks to the experts.



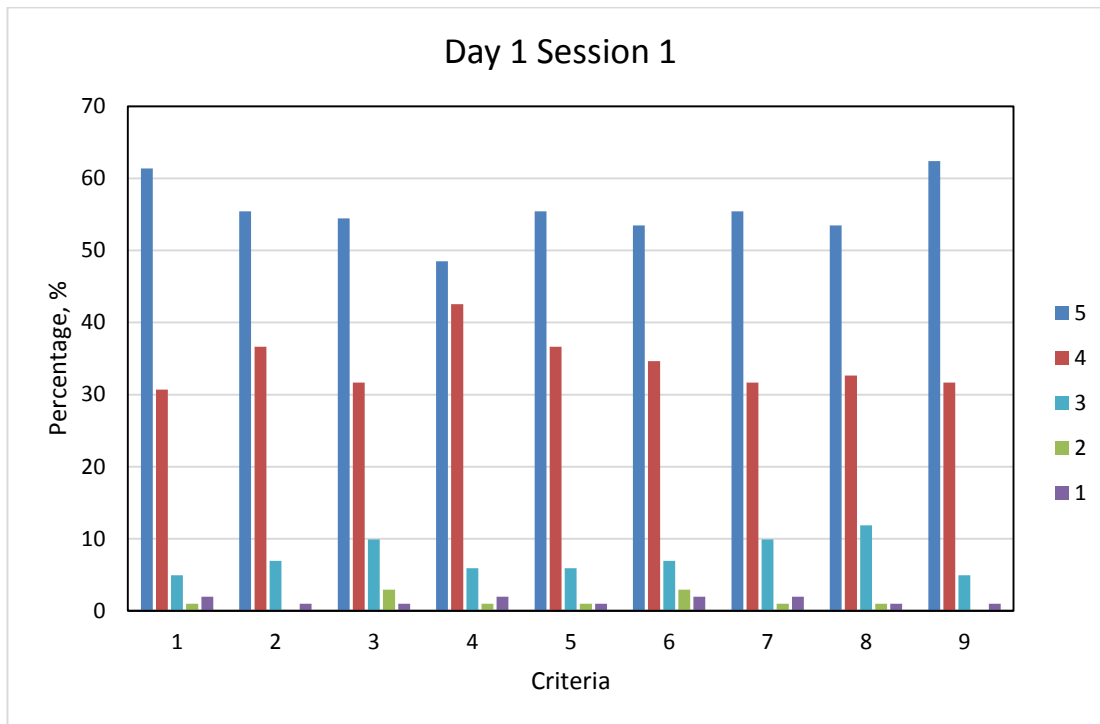
Feedback by Participants

The following observations were identified from the feedback received from participants,

- The webinar Provided me with valuable information regarding the theme -5
- The content delivered by resource person was useful - 5
- The technological support was strong enough to execute webinar smoothly - 5
- Rate the duration of webinar - 5
- Interaction / Q&A with the resource person - 5
- Webinar Video Quality - 5
- Continuity in streaming - 5
- Rate the timely communication in all aspects of the program - 5
- Overall feedback of the webinar -5

Specific topic and Session liked:

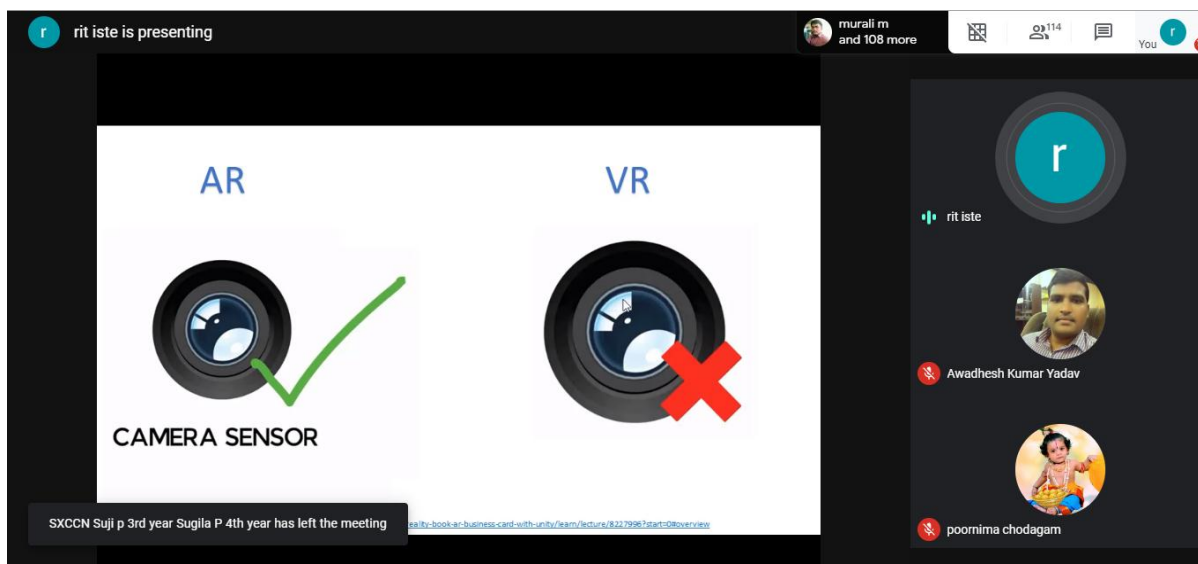
Creo 7.0, Analysis



DAY 1 Session 2: Mr.J.Jerold John Britto (Sr.Gr), Dept. of Mechanical Engineering, RIT

Topic: Augmented Reality / Virtual Reality (11:35 AM to 12:30 PM)

In the second session, resource person explained about how augmented reality and virtual reality can be used in real world to explain the concepts to the stakeholders. He explained the difference between Augmented reality and virtual reality. He also gave many examples for virtual reality. He has shown many demo using different kind of softwares. Participants really enjoyed the session. Participants asked questions to the resource person and got clarified. Around 212 members participated and benefited through the session. Mr. J. Jabinth, AP/Mechanical moderated the session & Mr. P. Prabhakaran, AP/Mechanical gave vote of thanks to the experts.

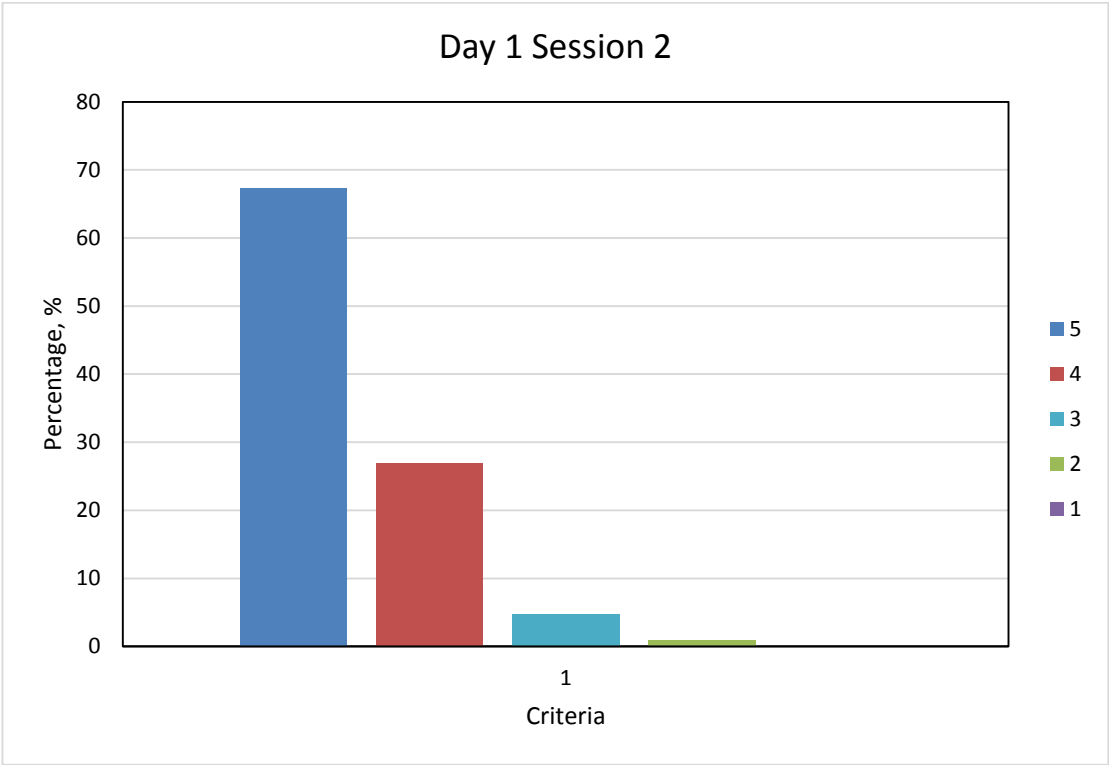


Feedback by Participants

The following observations were identified from the feedback received from participants,

- Rate the quality of the session - 5

Specific topic and Session liked:
AR & VR



DAY 1 Session 3: Mr.A.Bala Ganesa Moorthy, Manager-Digital Engineering Services & Solutions, Chennai

Topic: Computational Mechanics (3 PM to 4 PM)

In the third session resource person gave a detailed explanation about computational mechanics. He explained about the current trends in computational mechanics, industrial needs, process and applications. He also explained about industrial approach in analysis using software’s. He also made awareness to participants about various CAE tools like ISRO developed FEAST, ANSYS, Autodesk etc. He advised participants interested in CAE to learn many softwares. Around 211 members participated and benefited through the session. Mr. P. Prabhakaran, AP/Mechanical moderated and gave vote of thanks to the experts.

Mr. R. Venkatesh, AP/Mechanical, Dr.V.Sivakumar, ASP/Mechanical also supported for successfully conducting the day 1 sessions.

Industrial Needs of CM – Process

Most FE Analysis is set up by following a standard procedure:

- Import CAD Model
- Mesh the Model
- Assign Material Properties
- Apply Constraints
- Apply Loads
- Set Up Solver Parameters
- Run the Solver
- Examine the Results

Next Reality of Interest (Component, Subassembly, Assembly, or System)

Abstraction

Conceptual Model

Mathematical Modeling

Physical Modeling

Mathematical Model

Physical Model

Implementation

Experiment Design

Experimentation

Experimental Data

Experimental Outcomes

Simulation Results

Simulation Outcomes

Validation

Quantitative Comparison

Uncertainty Quantification

Acceptable Agreement?

Yes

No

Revise appropriate model or experiment

Next Reality of Interest

Modeling, simulation & experimental activities

Assessment activities

Turn on captions

Present now

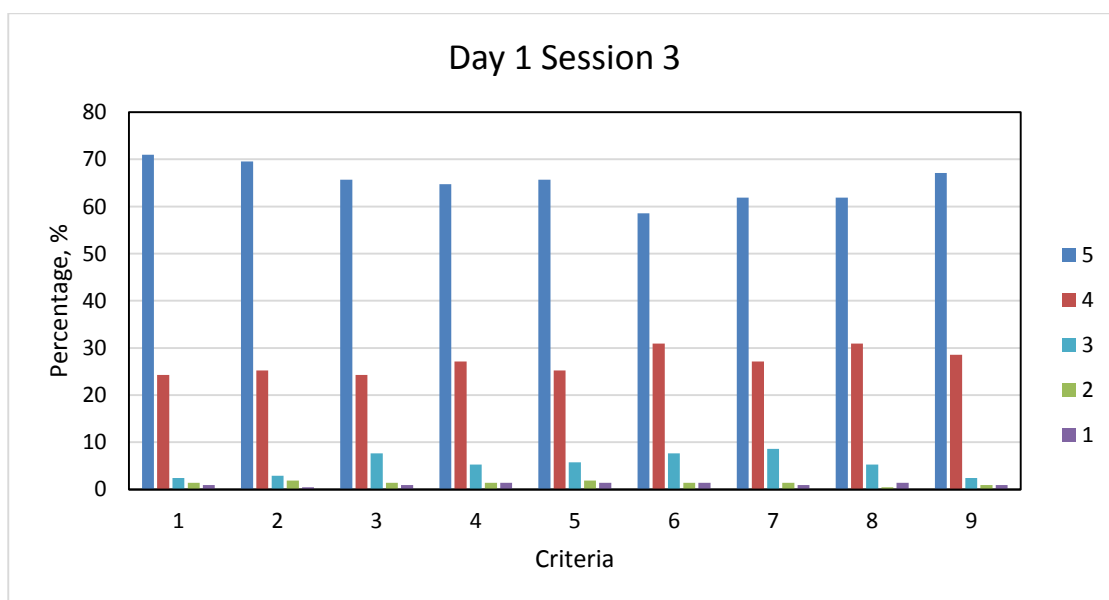
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- Overall feedback of the webinar -5

Specific topic and Session liked:

CAE, FEA Analysis



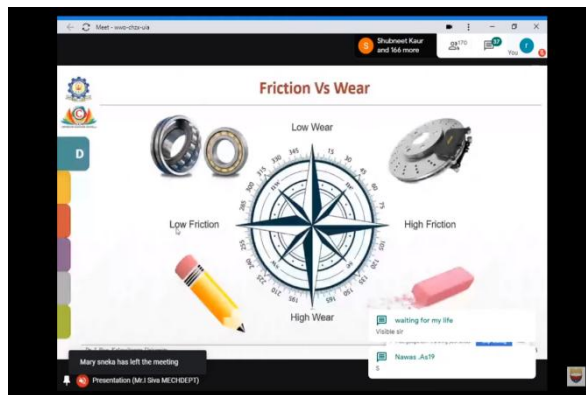
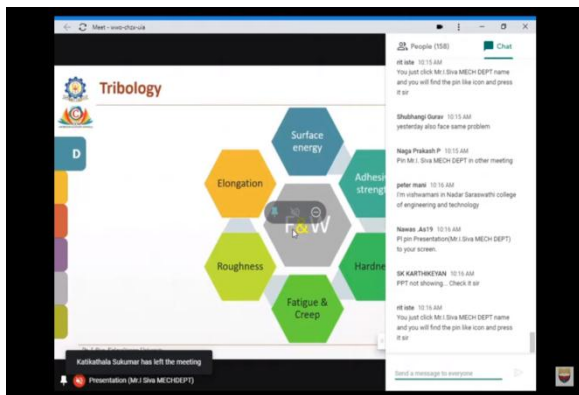
DAY 2 Five day webathon on future topics in Mechanical Engineering

DAY 2 Session 1: Dr.I.Siva, Associate Professor,

Dept. of Manufacturing Engineering, Kalasalingam Academy of Research and Education, Krishnakoil.

Topic: Tribology of Polymeric materials a systematic approach (10AM to 11:25AM)

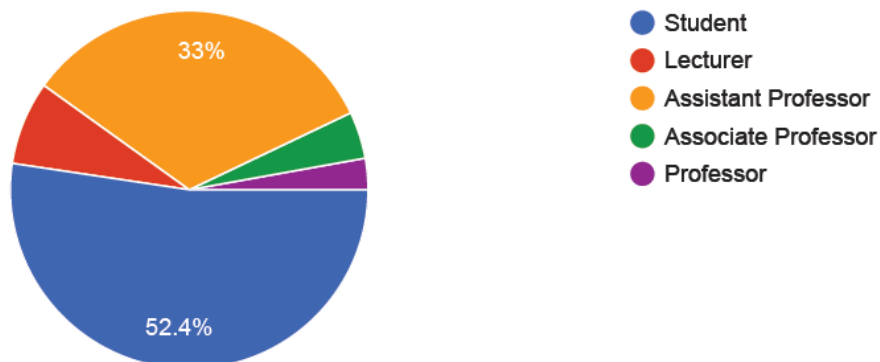
The Welcome address was given by Mr.C.Gururaj, AP/Mechanical. In the first session the resource person presented about Tribology of Polymeric materials a systematic approach. They explained the basic concepts of polymer composites and various applications of polymer composites in tribological applications like brake pad. He has shown morbological behaviour of PMC with example of slurry erosion. Participants asked questions to the resource person and got clarified. Around 212 members participated and benefited through the session. Mr. M.Lakshmanan, AP(S.G)/Mechanical moderated the session & Dr.S.Godwin Barnabas, ASP/Mechanical gave vote of thanks to the experts.



Feedback Analysis:

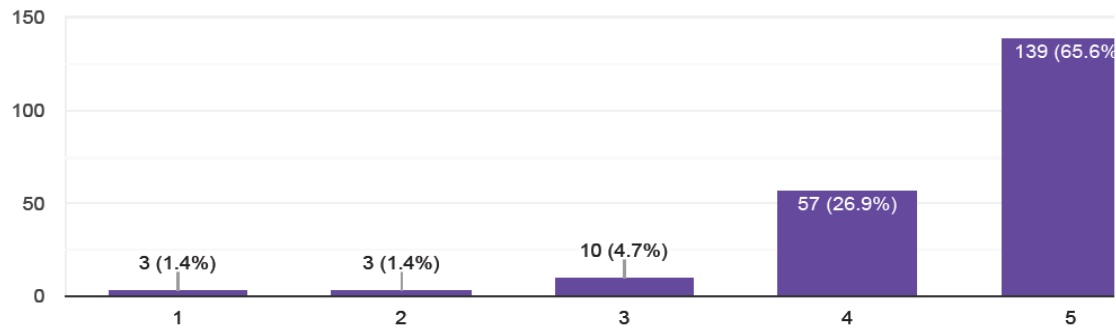
Designation

212 responses



Rate the quality of this session

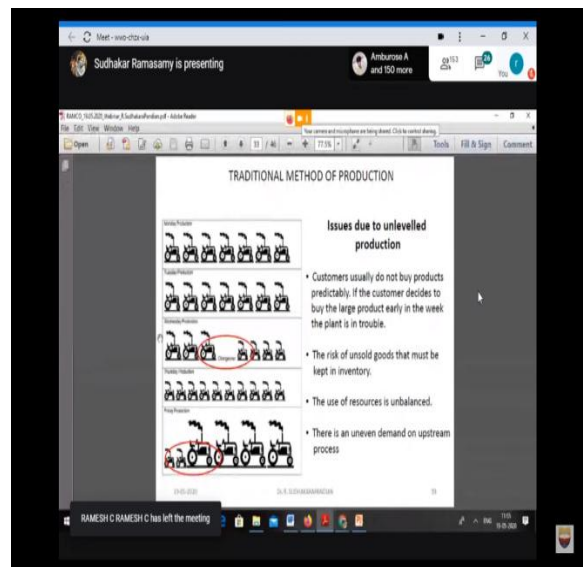
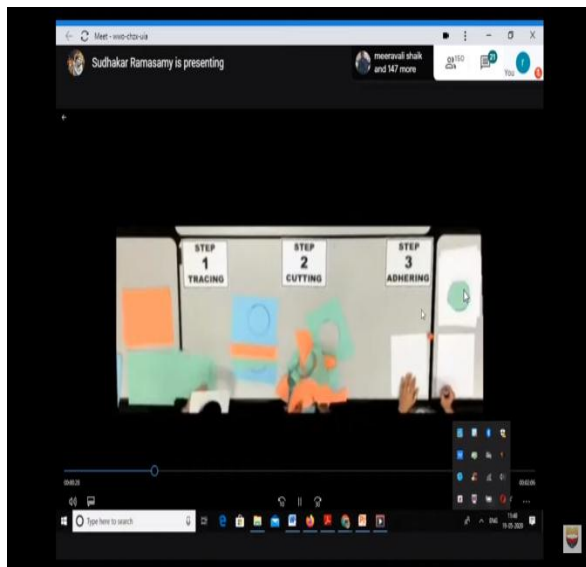
212 responses



DAY 2 Session 2: Dr.R.Sudhakara Pandian, Professor, Dept. of Manufacturing Engineering, School of Mechanical Engineering, Vellore Institute of Technology, Vellore

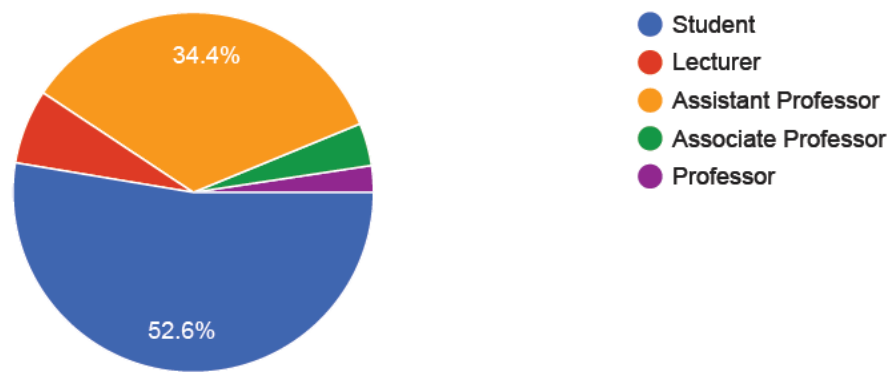
Topic: HEIJUNKA with reference to service industry (11:35AM to 12:30PM)

In the second session, resource person explained brief introduction about HEIJUNKA. He also gave many examples for HEIJUNKA. He also explained importance of HEIJUNKA in industry, concept of 3Ms, 8wastes in industry cycles, illustrative examples and scope in service industry. Participants really enjoyed the session. Participants asked questions to the resource person and got clarified. Around 209 members participated and benefited through the session. Dr.S.Godwin Barnabas, ASP/Mechanical moderated the session and he gave vote of thanks to the experts.

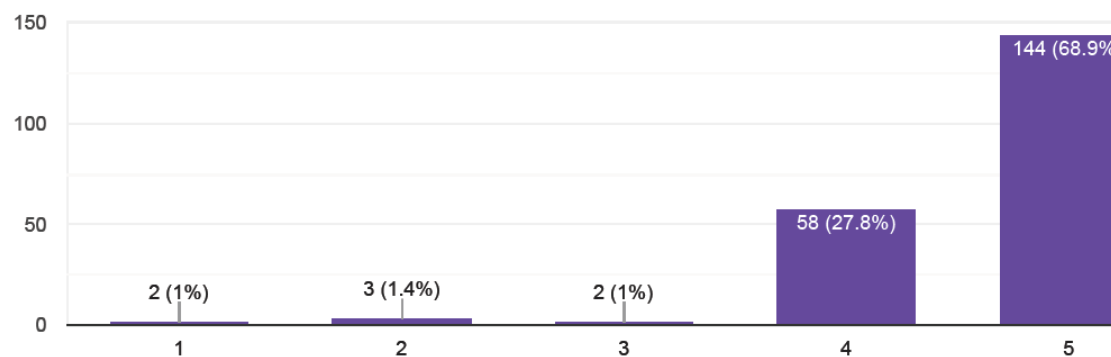


Feedback Analysis:

Designation
209 responses



Rate the quality of this session
209 responses

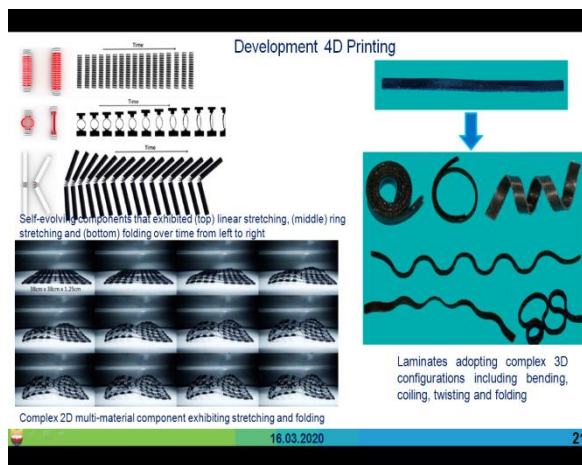
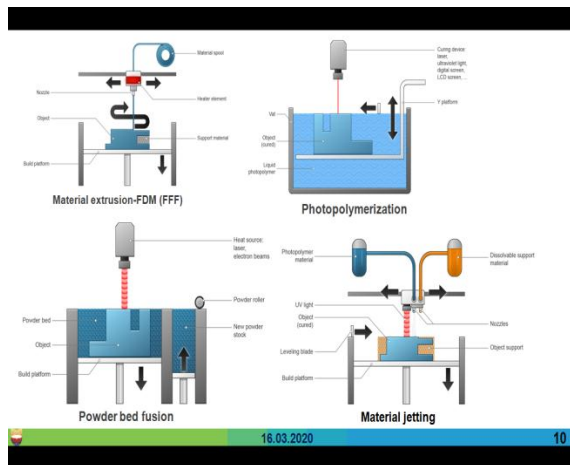


DAY 2 Session 3: Dr.P.Sureshkumar, Associate Professor, Dept. of Mech. Engg., Ramco Institute of Technology, Rajapalayam

Topic: 4D Printing (3PM to 4PM)

In the third session resource person gave a detailed explanation about additive manufacturing and 4D Printing. He explained about the current scenario in 3D and 4D printing requirements in industry. He also explained about the scope of research and Challenges and future outlook of 4D and 5D Printing. Participants enjoyed the session. Participants asked questions to the resource person and got clarified. Around 227 members participated and benefited through the session. Mr.S.Maharajan, AP/Mechanical moderated and gave vote of thanks to the experts.

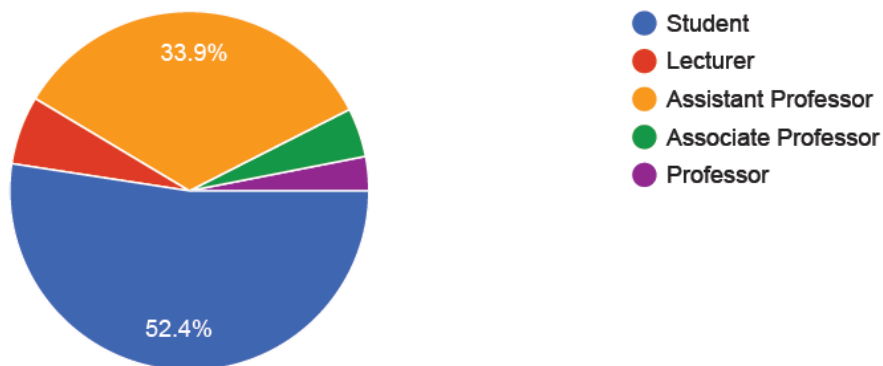
Dr.S.Godwin Barnabas, ASP/Mechanical, Dr.V.Sivakumar, ASP/Mechanical also supported for successfully conducting the day 2 sessions.



Feedback Analysis:

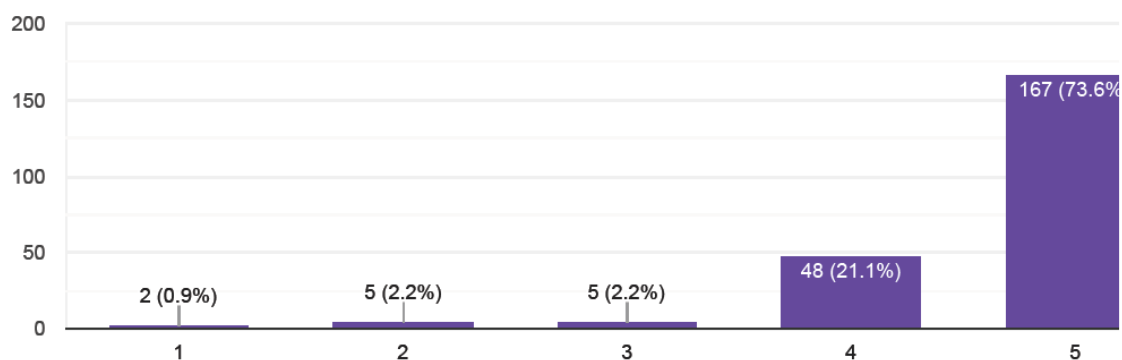
Designation

227 responses



Rate the quality of this session

227 responses



DAY 3 Five day webathon on future topics in Mechanical Engineering

DAY 1 Session 1: Dr.J.Thangaraja, Associate Professor, School of Mechanical Engineering, Vellore Institute of Technology, Vellore.

Topic: Automotive Diesel Technology – Challenges and Opportunities (10 AM to 11:00 AM)

Number of participants: 205

Dr.V.Sivakumar, Associate Professor/Mechanical welcomed the participants and gave an introduction to the resource person. In this session, the resource person started his presentation with the current scenario of Diesel in India and followed by discussed the engine emission & difference between BS-IV & BS-VI norms. He also presented about the current research activity going on related to the Diesel automotive in different topics such as fuel-related research, combustion-related research & advanced combustion strategies and concluded the session. Finally, in question and answer session the participants asked their doubts and the resource person clarify it. Mr.M.Ashok Kumar, AP(SG)/Mechanical moderated the session & Mr. M.Sivagaminathan alias Balaji, AP(SG)/Mechanical delivered the vote of thanks.

Research studies have shown that the chemical composition and engine exhaust emissions can be directly related to the fuel composition

Gasoline	Diesel
Lead content	Sulphur content
Oxygenates	Density
Aromatics	Cetane number
Olefins, Benzene, RVP	Aromatics
Distillation characteristics	Distillation characteristics

Cetane Number → **Ignition Delay** → **NOx Emission**

Composition → **Physiochemical properties** → **Engine characteristics**

meet.google.com is sharing your screen. [Stop sharing] [Hide]

Amirtham A has left the meeting

Feedback by participants

The following observations were made identified from the feedback received from participants

1. The webinar Provided me with valuable information regarding the theme – 5

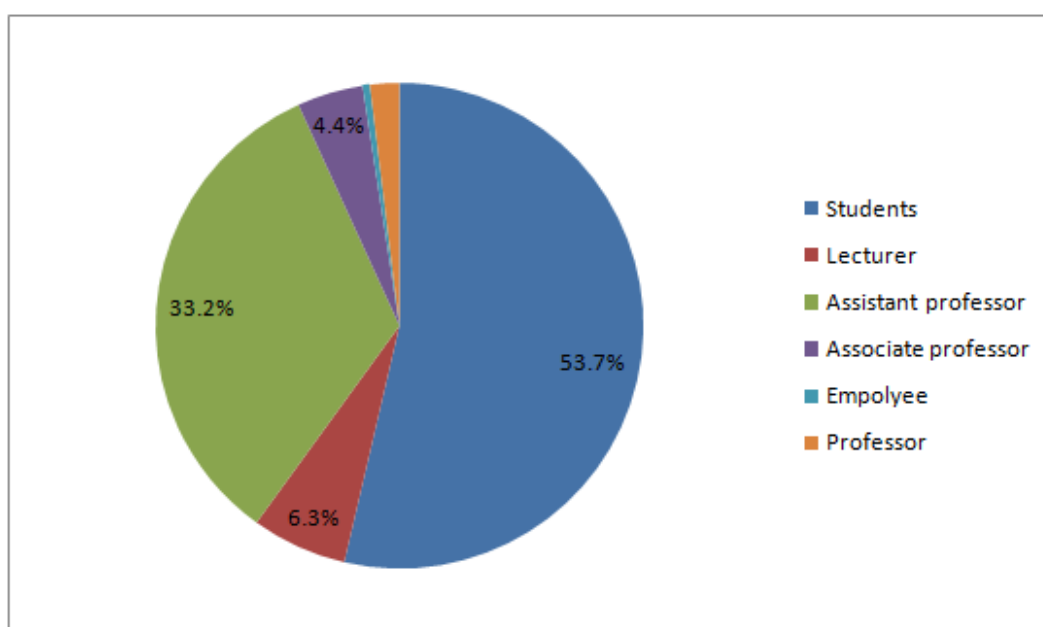
2. The content delivered by resource person was useful – 5
3. The technical support was strong enough to execute webinar smoothly – 5
4. Rate the duration of webinar – 5
5. Interaction / Q&A with the resource person – 5
6. Webinar Video Quality – 5
7. Continuity in streaming – 5
8. Rate the timely communication in all aspects of the program – 5
9. Overall feedback of the webinar – 5

Specific topic and Session liked:

All the topics

Participants details based on Designation

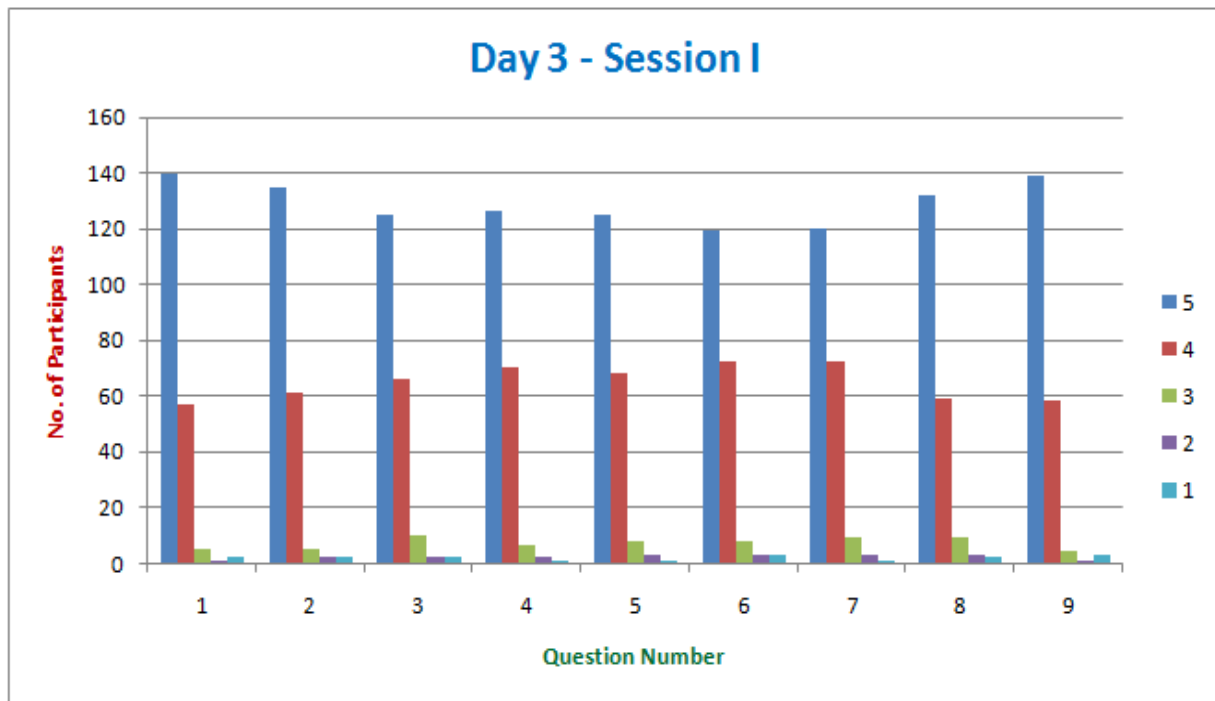
Sl. No.	Designation	No. of Participants	Percentage
1.	Students	110	53.7%
2.	Lecturer	13	6.3%
3.	Assistant professor	68	33.2%
4.	Associate professor	9	4.4%
5.	Empolyee	1	0.5%
6.	Professor	4	2.0%



Feedback Analysis:

Question Number	Rating				
	5	4	3	2	1

1	140	57	5	1	2
2	135	61	5	2	2
3	125	66	10	2	2
4	126	70	6	2	1
5	125	68	8	3	1
6	119	72	8	3	3
7	120	72	9	3	1
8	132	59	9	3	2
9	139	58	4	1	3

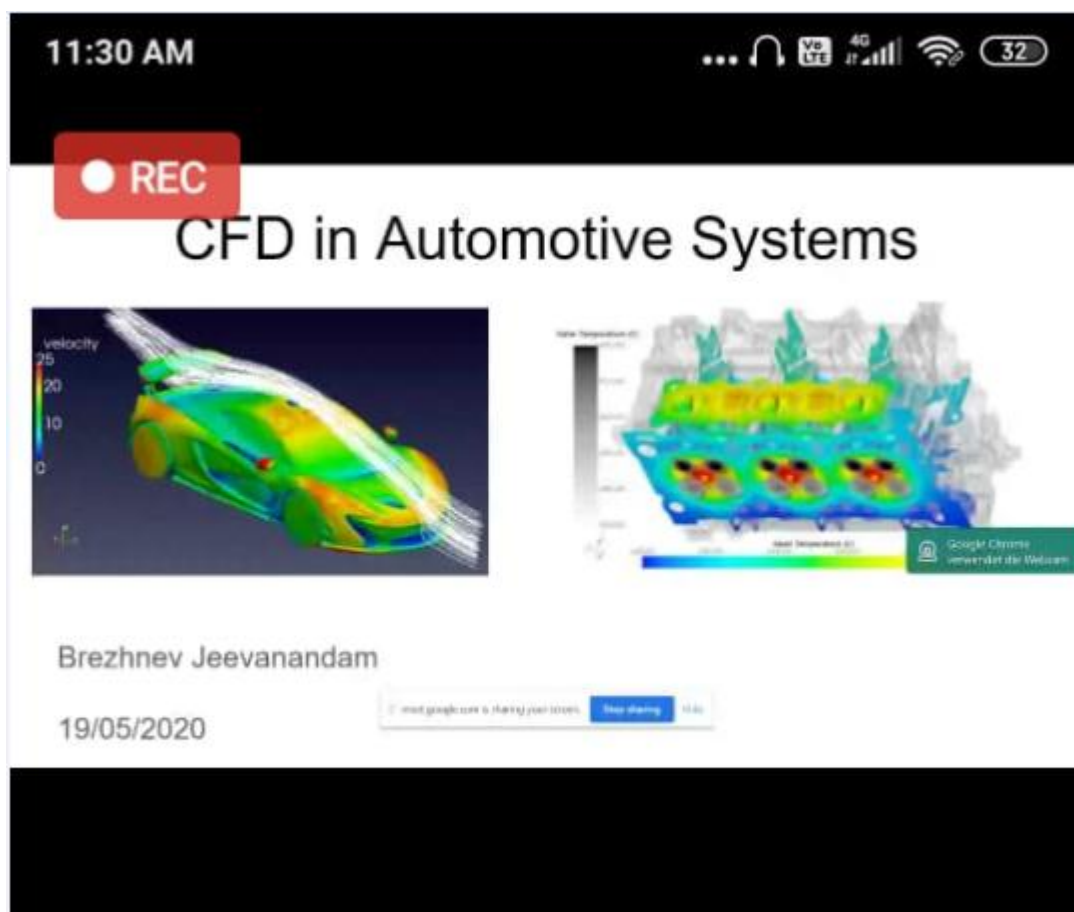


DAY 3 Session 2: Mr.Brezhnev Jeevandandam, Opel Automobile GmbH, Germany.

Topic: CFD in Automotive systems (11:30 AM to 12:30 PM)

Number of participants: 220

Mr. M.Sivagaminathan alias Balaji, AP(SG)/Mechanical welcomed the participants and gave an introduction to the resource person. In the session, the resource person explained the role of computational fluid dynamics in the Automotive sector and direct faculty members who have attended the webinar in the point of view 'how encourage the students to take computational fluid dynamics'. He also discussed the various advanced technology growth in the automotive field after the contribution of computational fluid dynamics and concluded the session. The resource person answered the questions asked by the participants in question and answer session. Mr.R.Arun Kumar, AP/Mechanical moderated the session and delivered the vote of thanks.



Feedback by participants

The following observations were made identified from the feedback received from participants

1. The webinar Provided me with valuable information regarding the theme – 5
2. The content delivered by resource person was useful – 5
3. The technical support was strong enough to execute webinar smoothly – 5
4. Rate the duration of webinar – 5
5. Interaction / Q&A with the resource person – 5
6. Webinar Video Quality – 5

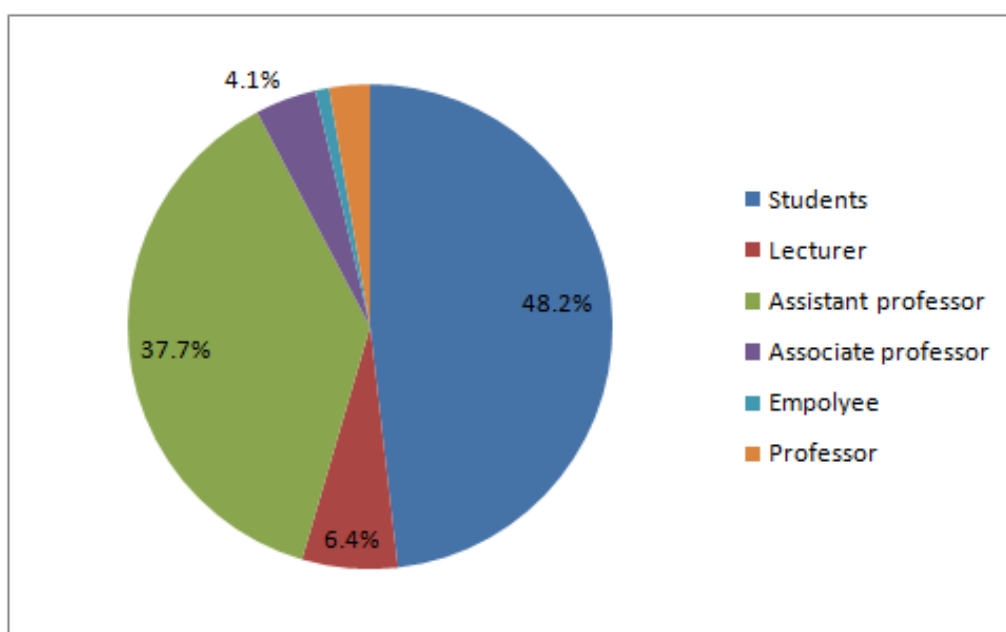
7. Continuity in streaming – 5
8. Rate the timely communication in all aspects of the program – 5
9. Overall feedback of the webinar – 5

Specific topic and Session liked:

All session in CFD

Participants details based on Designation

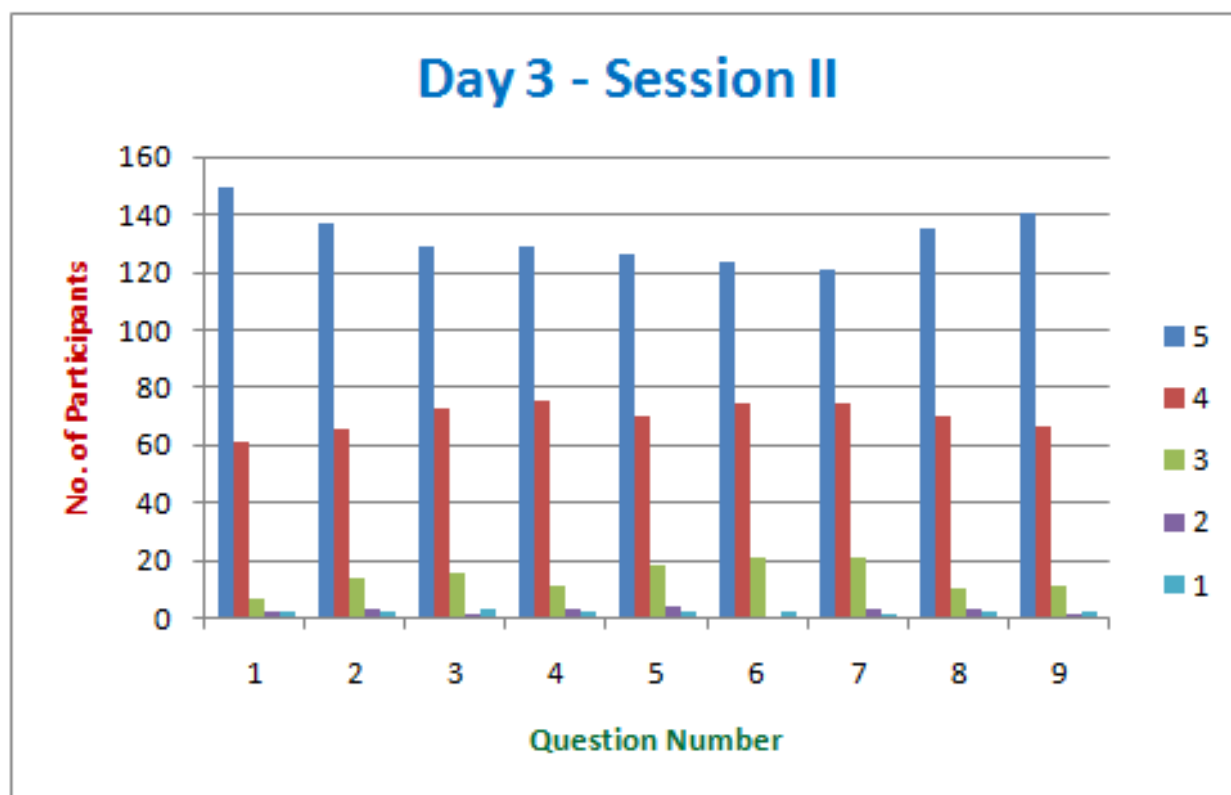
Sl. No.	Designation	No. of Participants	Percentage
1.	Students	106	48.2%
2.	Lecturer	14	6.4%
3.	Assistant professor	83	37.7%
4.	Associate professor	9	4.1%
5.	Empolyee	2	0.9%
6.	Professor	6	2.7%



Feedback Analysis:

Question Number	Rating				
	5	4	3	2	1
1	149	61	6	2	2
2	137	65	13	3	2
3	129	72	15	1	3
4	129	75	11	3	2

5	126	70	18	4	2
6	123	74	21	0	2
7	121	74	21	3	1
8	135	70	10	3	2
9	140	66	11	1	2



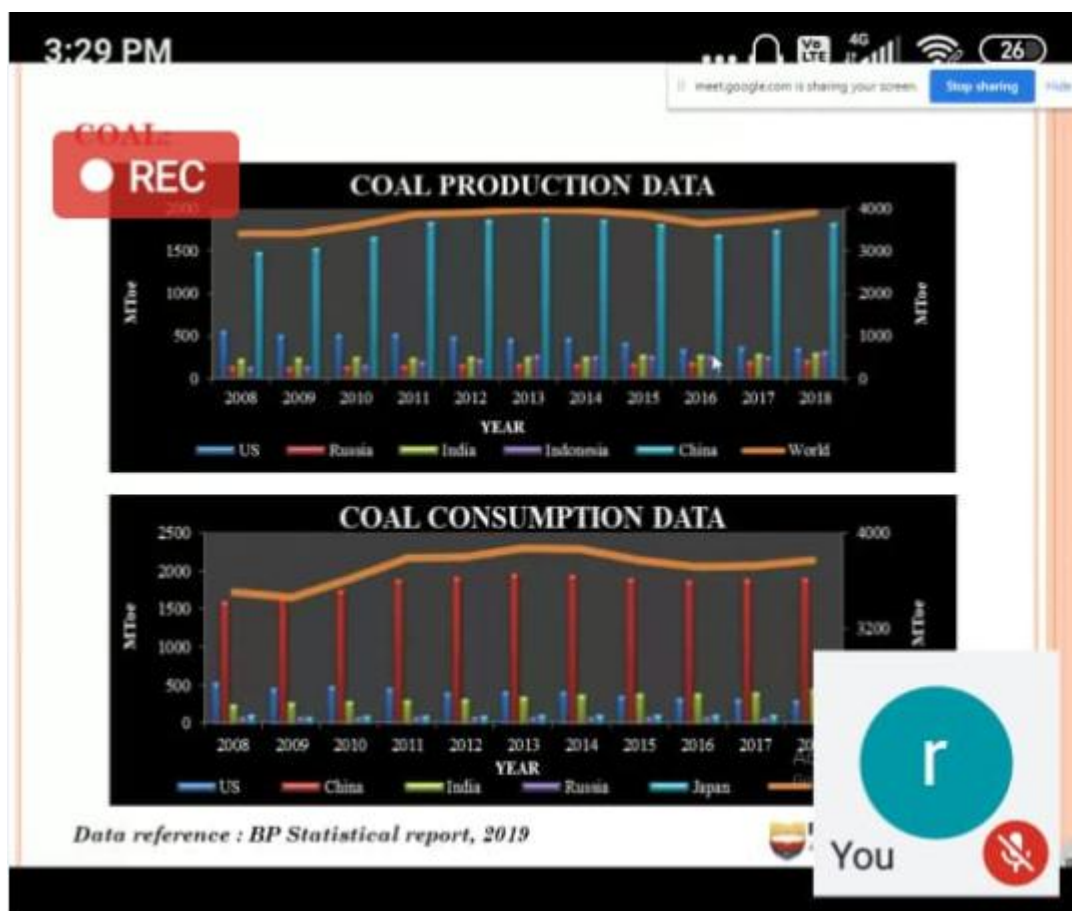
DAY 3 Session 3: Dr.V.Sivakumar, Associate Professor, Department of Mechanical Engineering, Ramco Institute of Technology, Rajapalayam.

Topic: Energy Conservation – Save Today and Survive Tomorrow (3.00 PM to 4.00 PM)

Number of participants: 199

Mr.M.Ashok Kumar, Assistant Professor (SG)/Mechanical welcomed the participants and gave an introduction to the resource person. In this session resource person interactive with the participants about the primary energy sources that drive the world and the production, consumption of coal, oil, natural gas and nuclear energy of various country including India. The resource person concluded the session with a discussion of the present energy scenario of India, Need of energy conservation and the initiative of Ramco Institute of Technology in this regard of energy conservation management. Finally, the resource person

conducted an online quiz to the participants and they have answered the questions asked in the quiz enthusiastically. In the question and answer session, the resource person clarifies the doubts of the participants. Mr.M.Ashok Kumar, AP(SG)/Mechanical moderated the session & Mr. M.Sivagaminathan alias Balaji, AP(SG)/Mechanical delivered the vote of thanks.



Feedback by participants

The following observations were made identified from the feedback received from participants

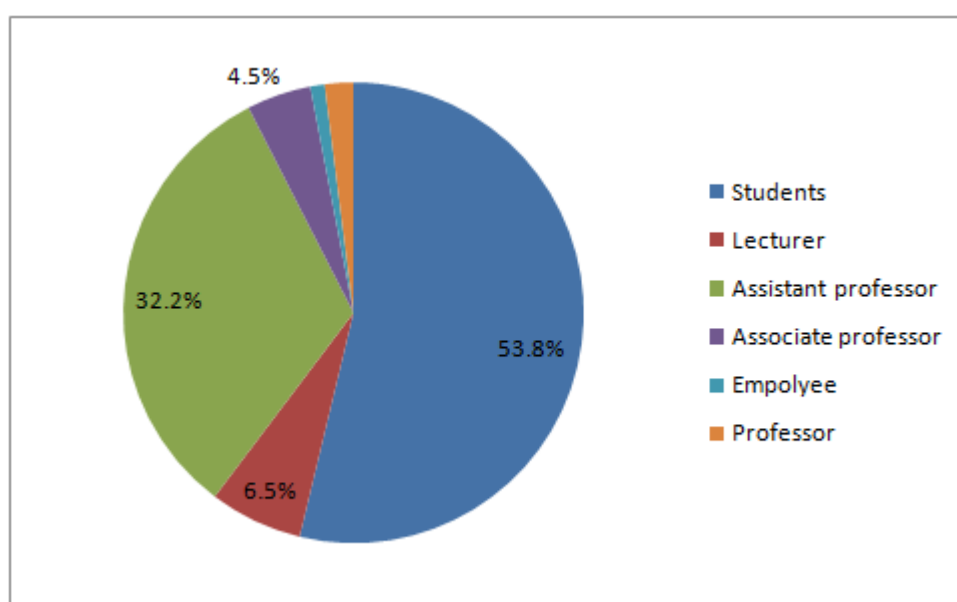
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8. Rate the timely communication in all aspects of the program – 5
9. Overall feedback of the webinar – 5

Specific topic and Session liked:

All the topics

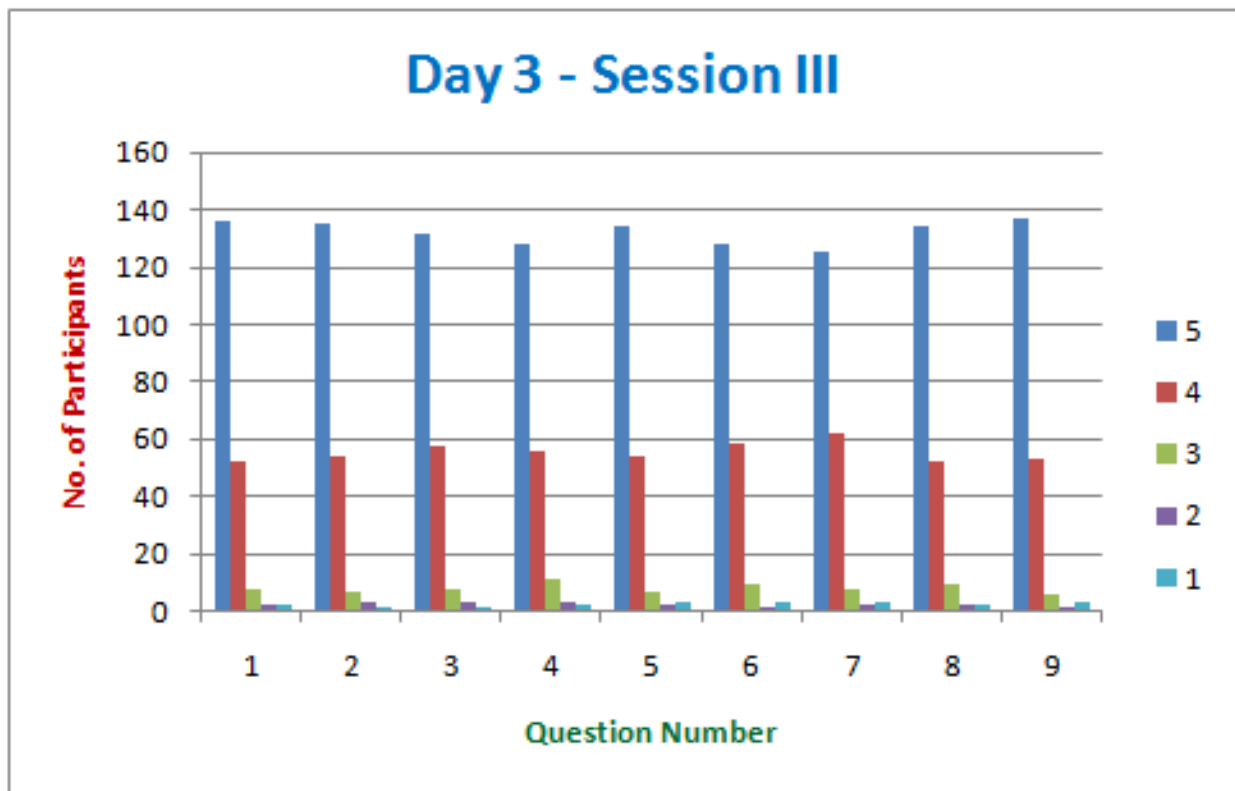
Participants details based on Designation

Sl. No.	Designation	No. of Participants	Percentage
1.	Students	107	53.8%
2.	Lecturer	13	6.5%
3.	Assistant professor	64	32.2%
4.	Associate professor	9	4.5%
5.	Empolyee	2	1.0%
6.	Professor	4	2.0%



Feedback Analysis:

Question Number	Rating				
	5	4	3	2	1
1	136	52	7	2	2
2	135	54	6	3	1
3	131	57	7	3	1
4	128	55	11	3	2
5	134	54	6	2	3
6	128	58	9	1	3
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8	134	52	9	2	2
9	137	53	5	1	3



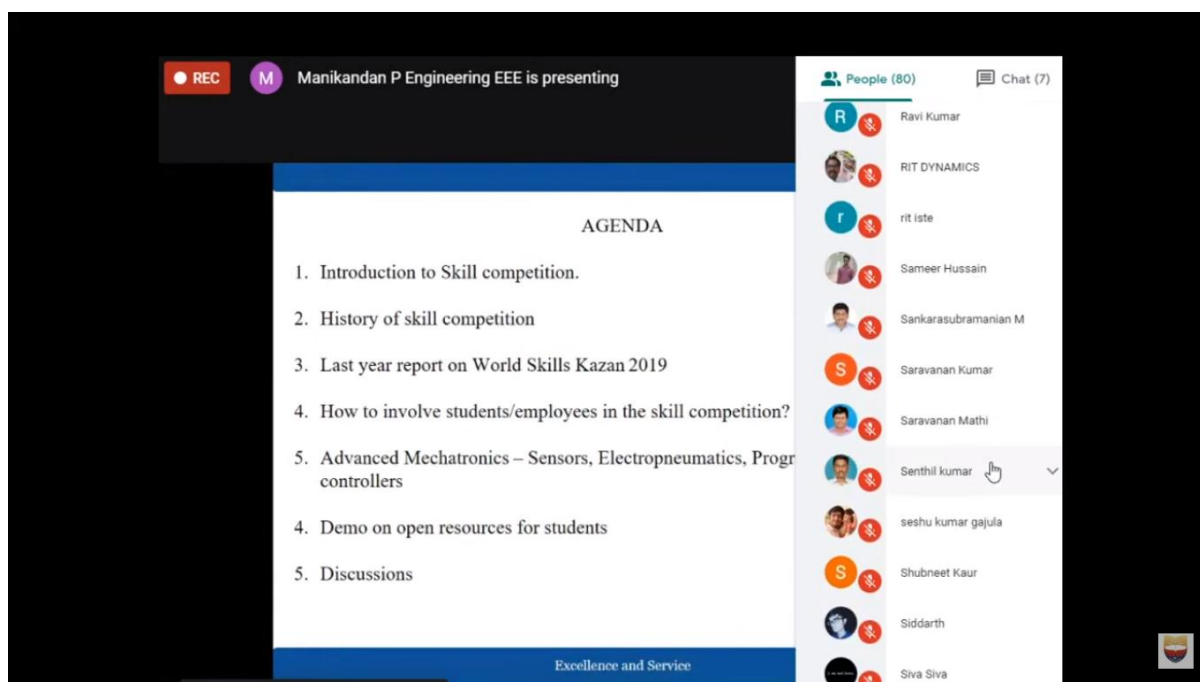
Mr.K.Amuthan, Assistant Professor/Mechanical and Mr.J.Jerold John Britto, Assistant Professor (SG)/Mechanical also supported in certification distribution and Youtube live for the third day of this 5-day webathon.

DAY 4 Five day webathon on future topics in Mechanical Engineering

DAY 4 Session 1: Mr.P.Manikandan, Christ University,Bangalore.

Topic: Advanced Mechatronics in Skill Competition (10 AM to 11:25 AM)

The Welcome address was given by Mr.S.Valai Ganesh, AP/Mechanical. In the first session the resource person presented about basic rules and eligibility Criteria for attending India Skill Competitions and also explained the various departments in the skill competition. Then explained about basics of mechatronics with some examples and regularly conduct online quiz in menti.com about sensors. By using Codesys software showed how to make a PLC ladder diagram for different application. Participants asked questions to the resource person and got clarified. Mr.T.Selva Sundar, AP/Mechanical moderated the session & Mr. K.Vigneshwaran, AP/Mechanical gave vote of thanks to the experts.



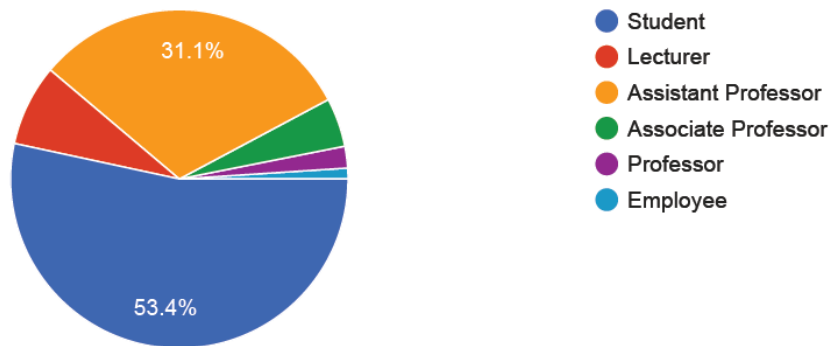
Feedback by Participants

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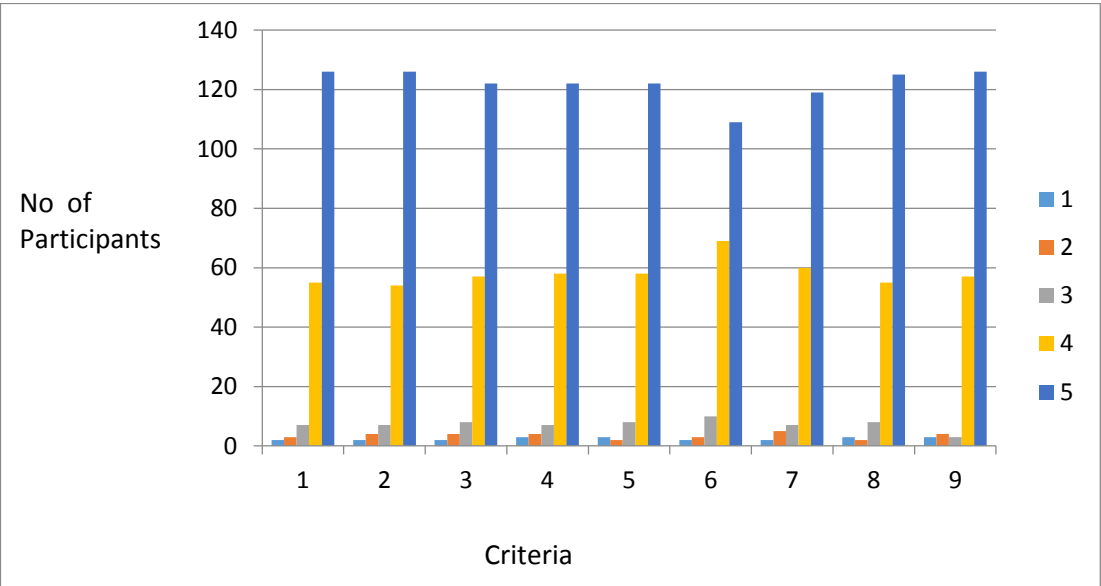
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- Interaction / Q&A with the resource person - 5
- Webinar Video Quality - 5
- Continuity in streaming - 5
- Rate the timely communication in all aspects of the program - 5
- Overall feedback of the webinar -5

Specific topic and Session liked:
Sensors

Designation
193 responses

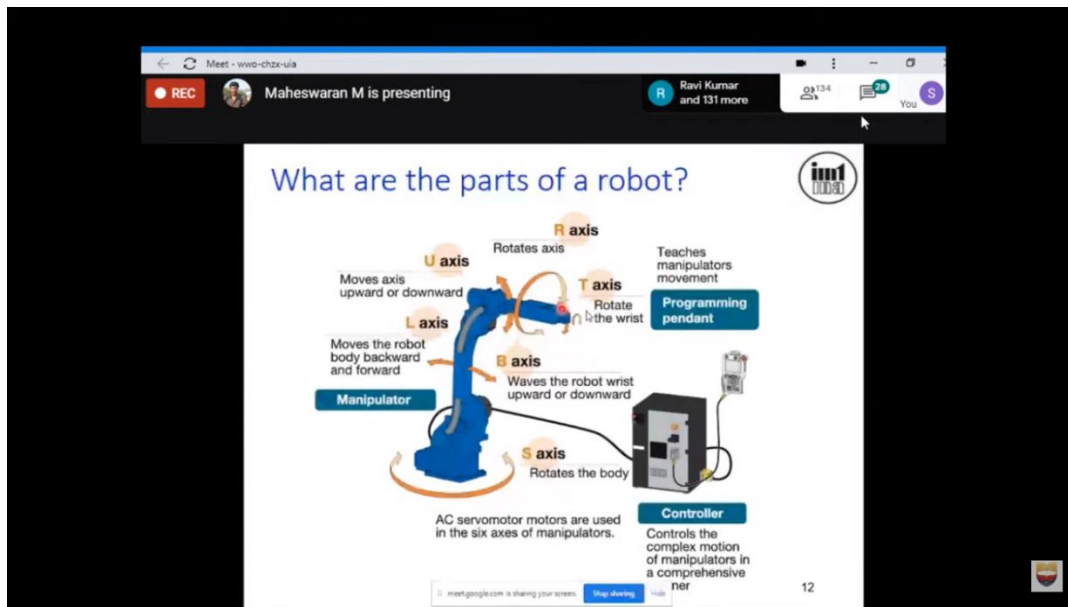


Day 4 Session 1



DAY 4 Session 2: Mr.J.M.Maheshwaran, IMTMA, Bengaluru. Topic: Application of Robot in Manufacturing Automation (11:35 AM to 12:30 PM)

The Welcome address was given by Mr.T.Selva Sundar, AP/Mechanical.In the second session, resource person explained about how robots are used in Manufacturing sectors.. He explained the robots basic, types,application and how to select the robot for our applications. He also gave many examples for robot used in manufacturing sectors. He has shown many industrial animation videos how robot are effectively used in manufacturing sector. Participants really enjoyed the session. Participants asked questions to the resource person and got clarified. Mr.T.Selva Sundar, AP/Mechanical moderated the session & Mr. K.Vigneshwaran,AP/Mechanical gave vote of thanks to the experts.



The following observations were identified from the feedback received from participants,

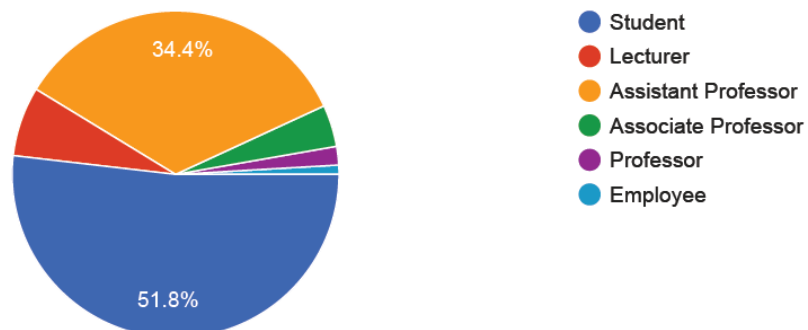
- The webinar Provided me with valuable information regarding the theme -5
- The content delivered by resource person was useful - 5
- The technological support was strong enough to execute webinar smoothly - 5
- Rate the duration of webinar - 5
- Interaction / Q&A with the resource person - 5
- Webinar Video Quality - 5
- Continuity in streaming - 5
- Rate the timely communication in all aspects of the program - 5
- Overall feedback of the webinar -5

Specific topic and Session liked:

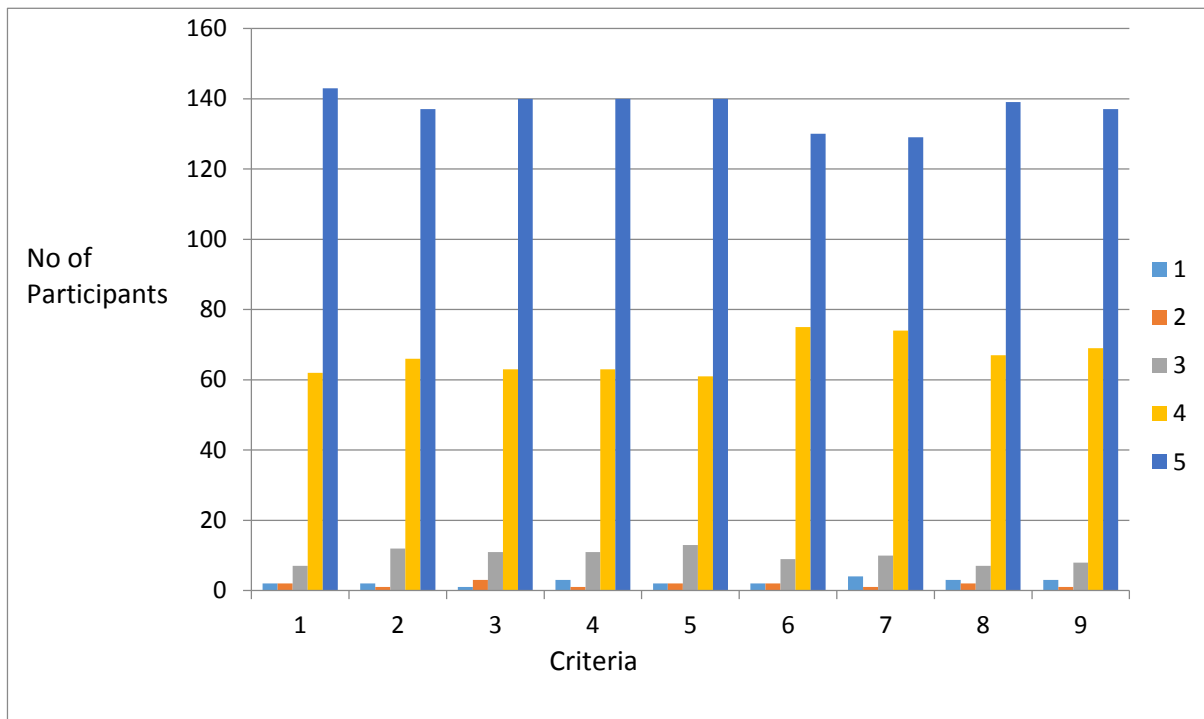
Robotics

Designation

218 responses



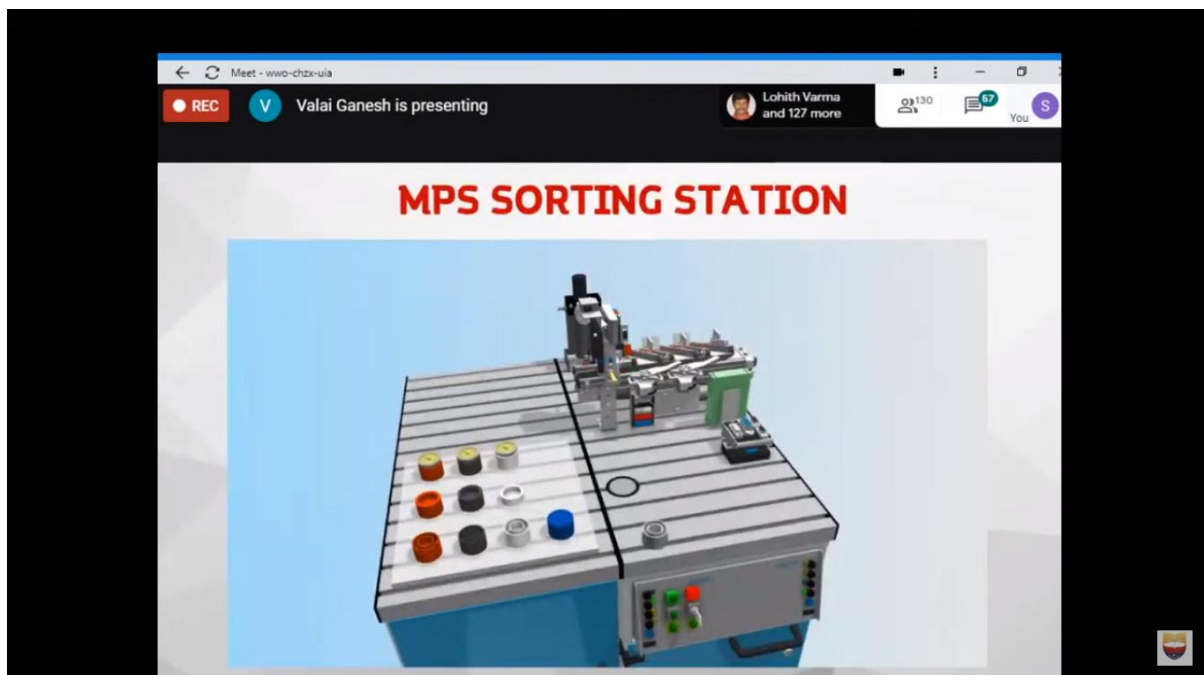
Day 4 Session 2



DAY 4 Session 3: Mr.S.Valai Ganesh, AP/Dept. of Mechanical Engineering, RIT

Topic: Modular Production Station (3 PM to 4 PM)

The welcome address was given by Mr.K.Amudhan, AP/Mechanical. In the third session resource person gave a detailed explanation about Modular Production Station. He explained about the Production station by using CIROS Software He also shown how industries are used and maintained the modular production station with the help of animation by sing CIROS Software. He also made awareness to participants about importance of Industry 4.0,India skill Competitions etc. He regularly conduct online quiz by using menti.com and all the participants were actively participated in that quiz. Mr.T.Selva Sundar, AP/Mechanical moderated the session & Mr. K.Vigneshwaran,AP/Mechanical gave vote of thanks to the experts.



Dr.P.Sureshkumar,ASP/Mechanical, Dr.V.Sivakumar, ASP/Mechanical also supported for successfully conducting the day 4 sessions.

Feedback by Participants

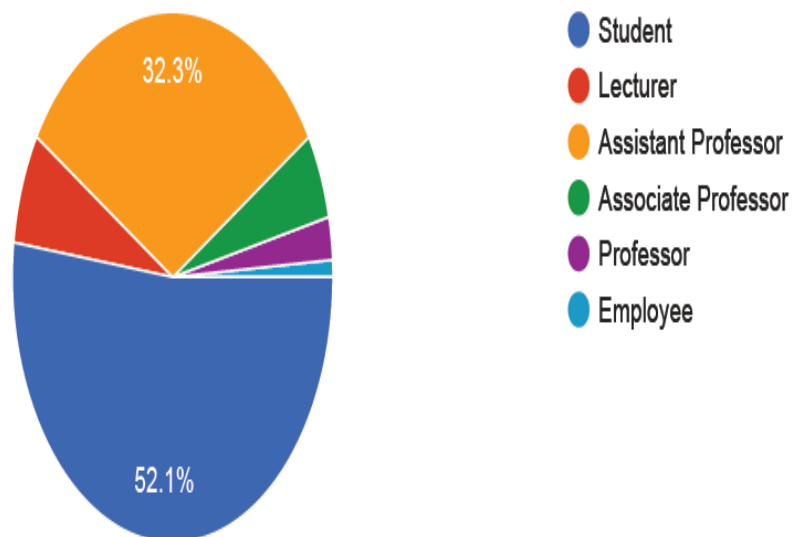
The following observations were identified from the feedback received from participants,

- The webinar Provided me with valuable information regarding the theme -5
- The content delivered by resource person was useful - 5
- The technological support was strong enough to execute webinar smoothly - 5
- Rate the duration of webinar - 5
- Interaction / Q&A with the resource person - 5
- Webinar Video Quality - 5
- Continuity in streaming - 5
- Rate the timely communication in all aspects of the program - 5
- Overall feedback of the webinar -5

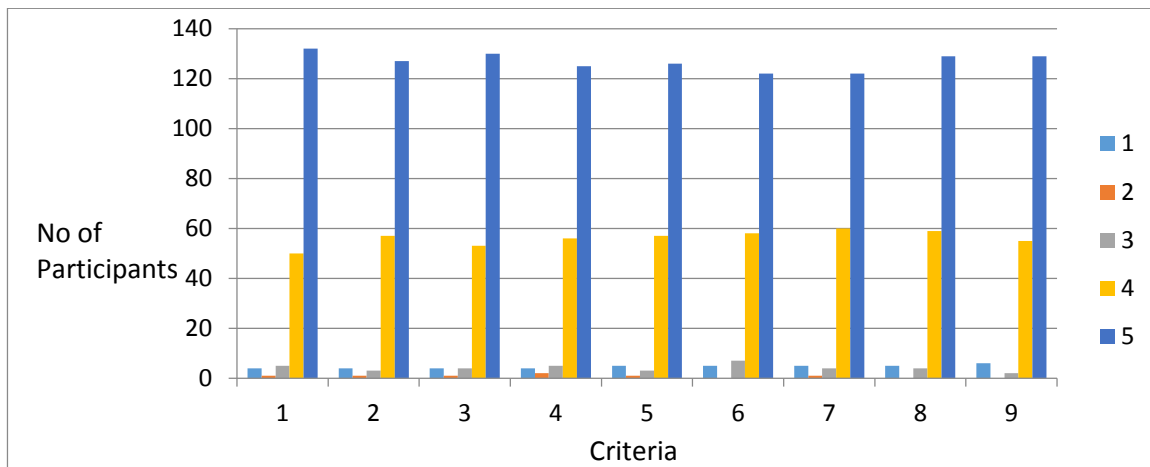
Specific topic and Session liked:
PLC, Sensors & Buffer station

Designation

192 responses



Day 4 Session 3



DAY 5 Five day webathon on future topics in Mechanical Engineering

DAY 5 Session I : Mr.M.Raguramsingh, Managing Partner, LEAN Academy, Chennai.

Topic: Lean Six Sigma (10.00AM to 11.00AM)

This session was completely engaged by both theory and industrial experience of the resource person. In this occasion Dr.S.Godwin Barnabas,Associate professor Ramco Institute of Technology, Rajapalayam welcomed the gathering and

Introduced the guest speaker.

Outline of the presentation:

- History of Lean Thinking
- Definition of Lean
- Elimination of Muda (Seven Wastes)
- Kaizen with Poka-Yoke
- IOT 4.0
- Implementation of Lean Six Sigma.



Finally Question Answer session and thanking session was handled by Mr.M.santhana maruthu pandian/AP.

DAY 5 Session II : Dr.A.Senthil kumar, Assistant professor University college of Engineering, Panruti.

Topic: Dimensions of quality in manufacturing and service sector (1.00 PM to 2.00 PM)

In this session the resource person was welcomed by Mr.N.L.Sujin AP/MECH,RIT. Resource person start the session by giving well known dimensions of quality.he highlighted the various dimensions of quality. He explains how this dimensions is applicable for manufacturing and service sector. Explains the outcome of education based on the quality and the challenges faced by present teachers. He gave some suggestions for the areas of improvement for education and service sector. He explains why the quality of the product diminishing due to the globalisation. Mr.G.Prabu ram AP(SG), Mr.M.santhana maruthu pandian/AP, Mr. N.L.Sujn/AP,Mr.R.Venkatesh/AP Moderated the session.final query session and thanking session was handled by Mr.M.santhana maruthu pandian/AP.

Day 5

Session I

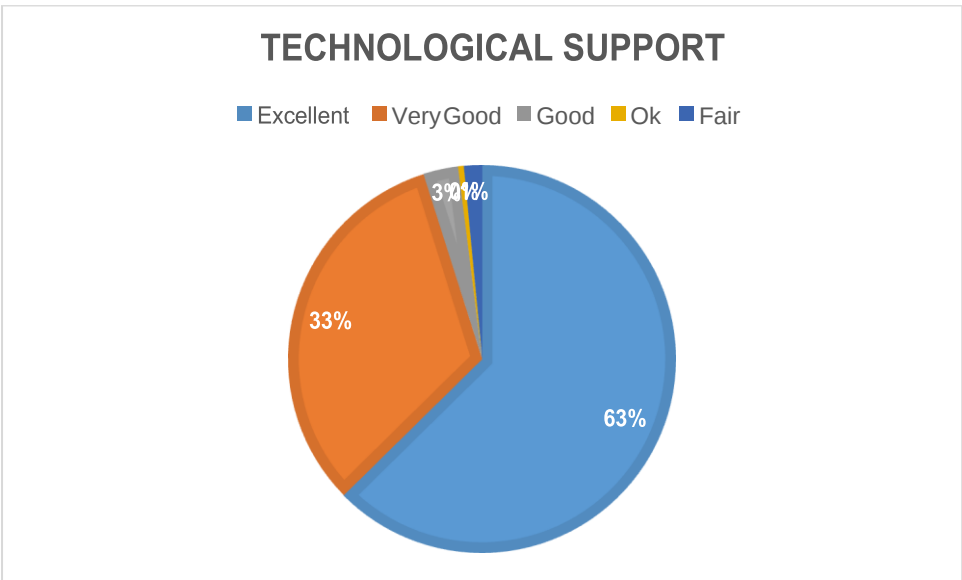
Topic: Lean Six Sigma

Speaker: Mr.M.Raguramsingh, Lean Academy, Chennai.

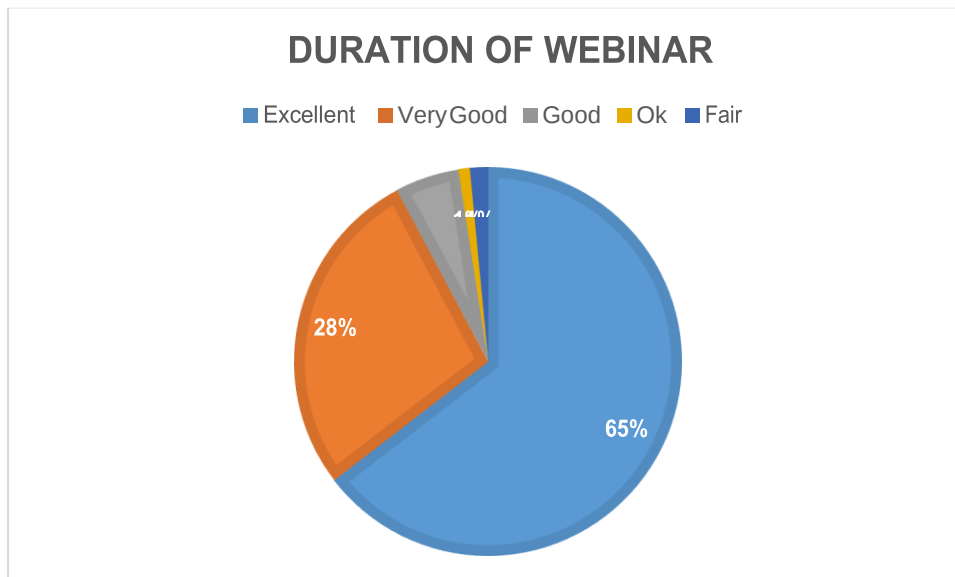
The content delivered by resource person was useful



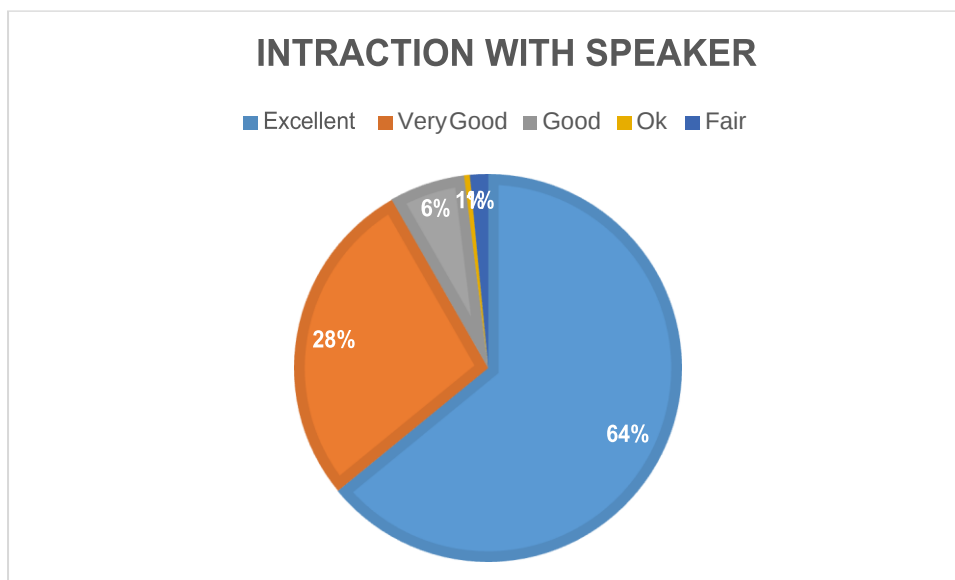
The technological support was strong enough to execute webinar smoothly



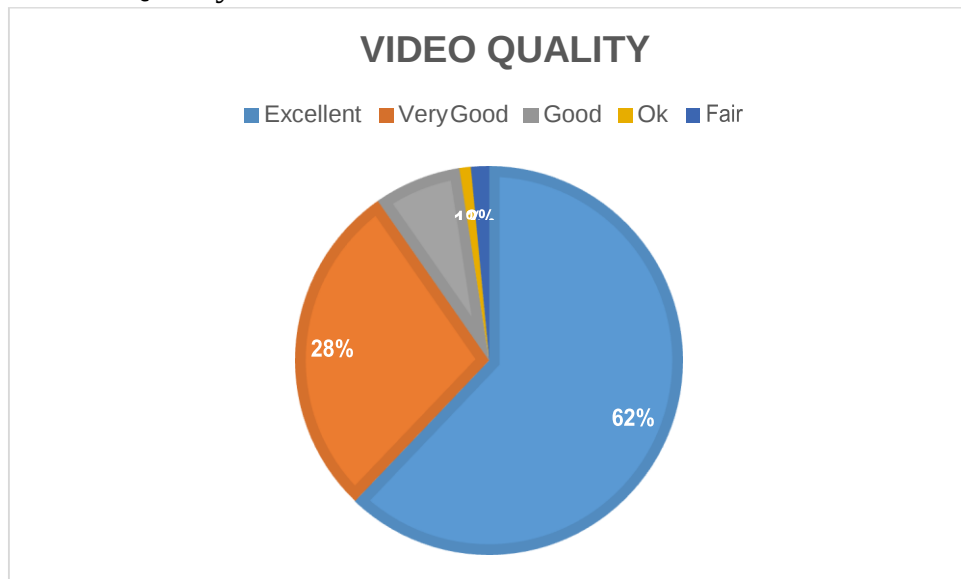
Rate the duration of webinar



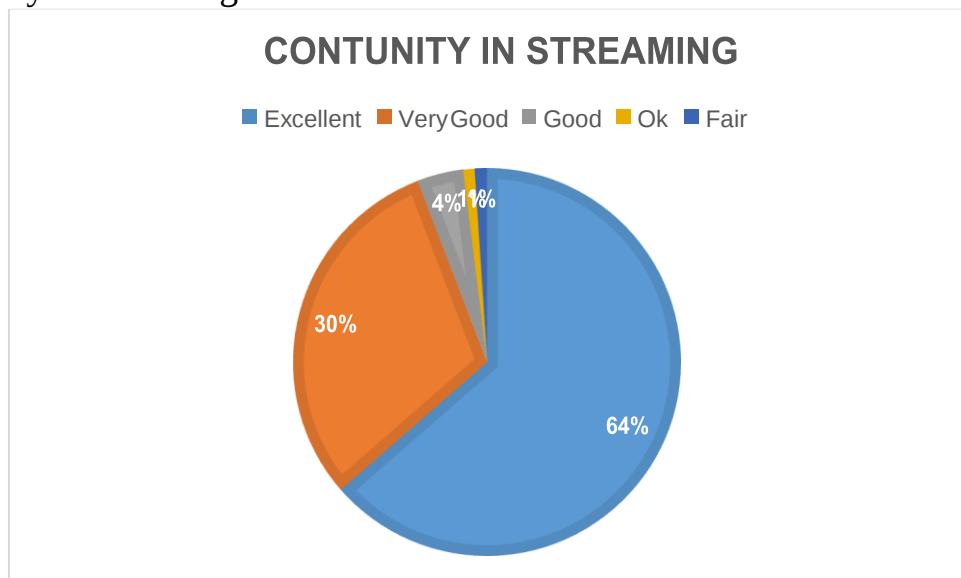
Interaction / Q&A with the resource person



Webinar Video Quality



Continuity in streaming

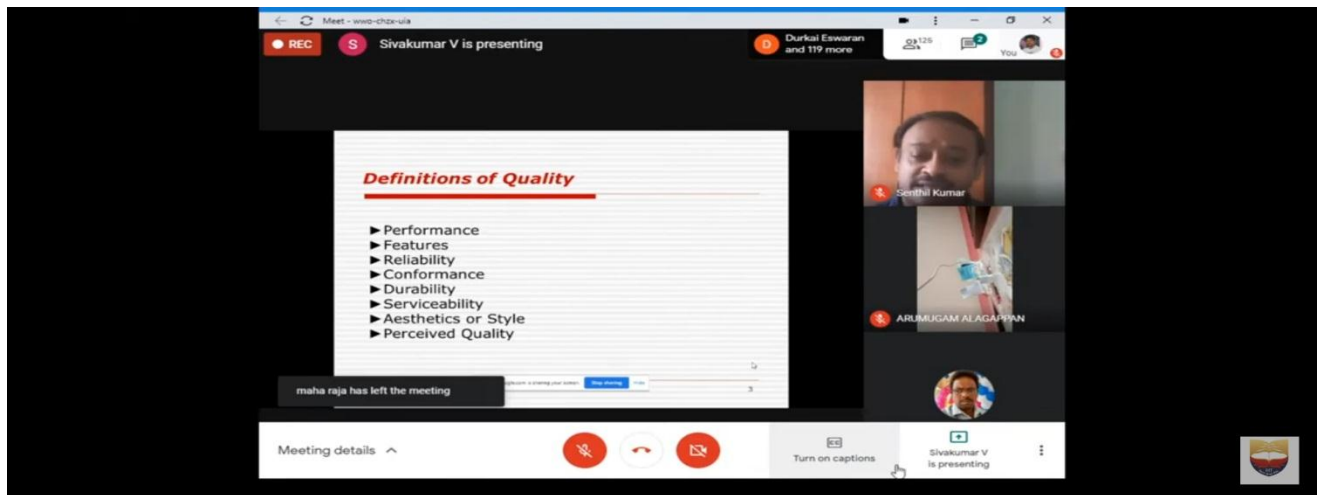


Rate the timely communication in all aspects of the program



Overall feedback of the webinar





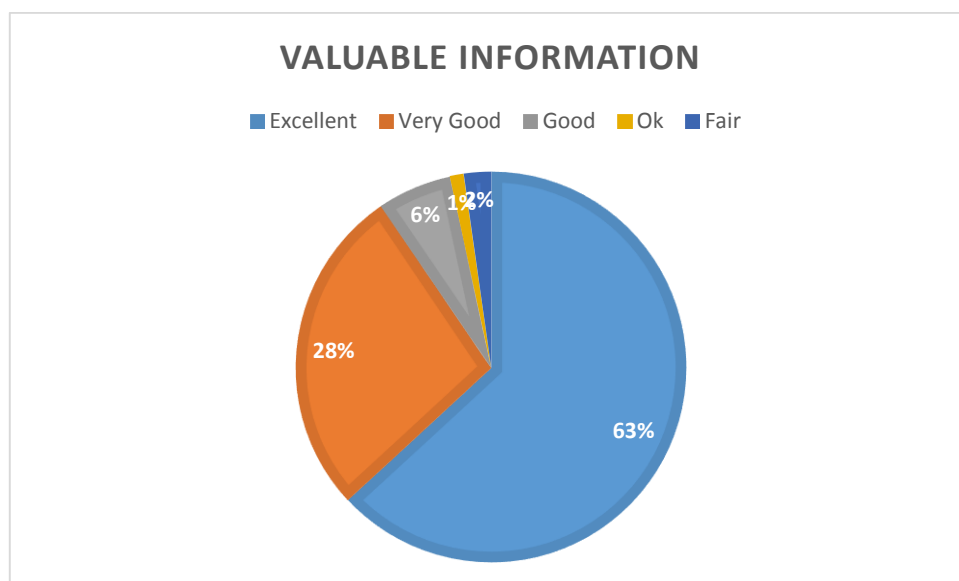
Session II

Total No of Participants: 175

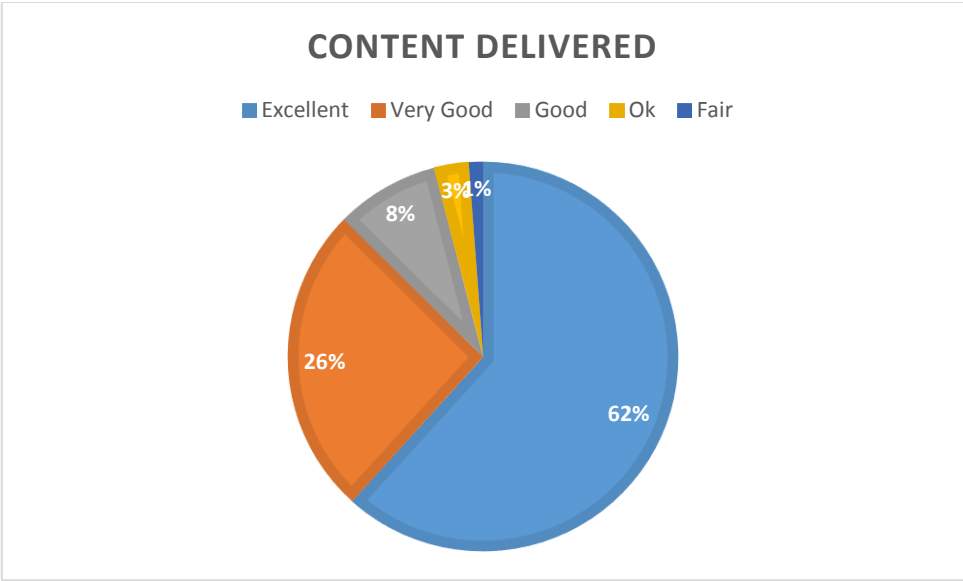
Topic: **Dimensions of Quality for Manufacturing and Service sector**

Speaker: **Dr.A.Senthil Kumar, University college of Engineering, Panruti**

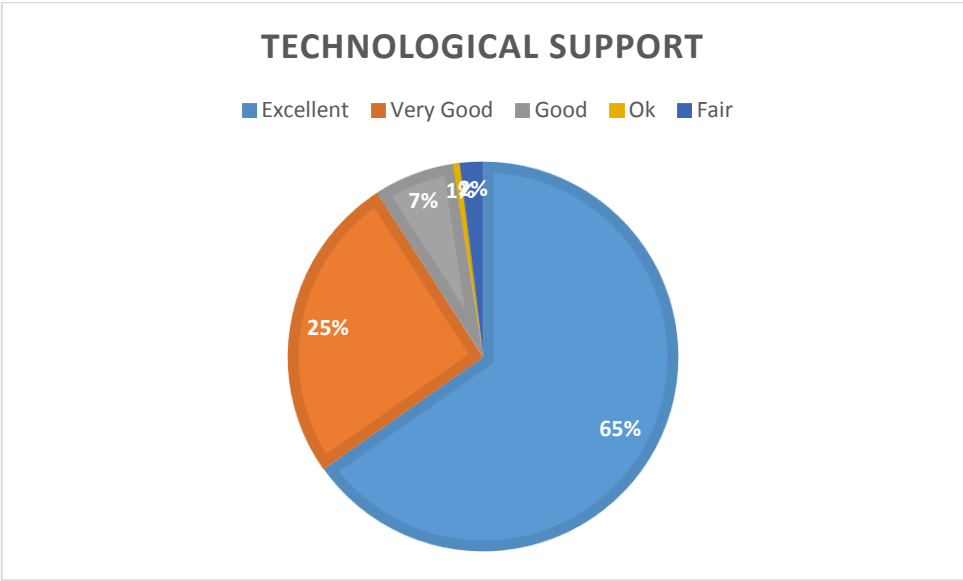
The webinar Provided me with valuable information regarding the theme



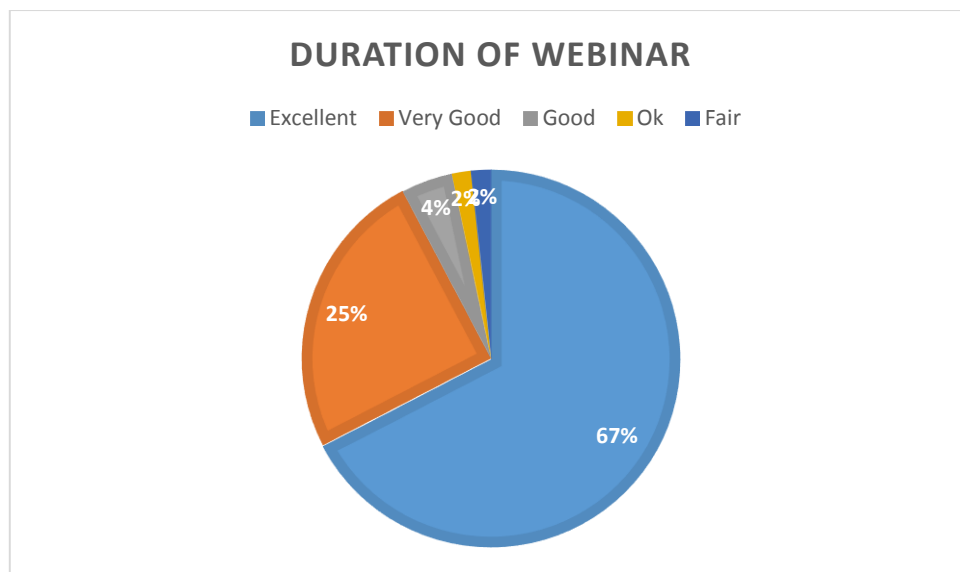
The content delivered by resource person was useful



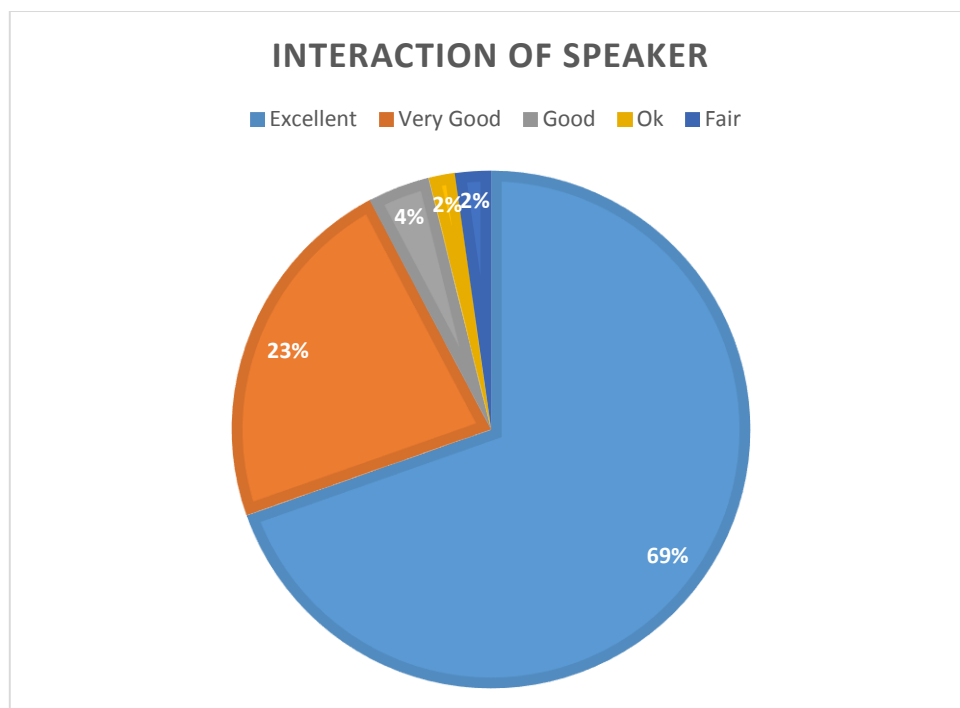
The technological support was strong enough to execute webinar smoothly



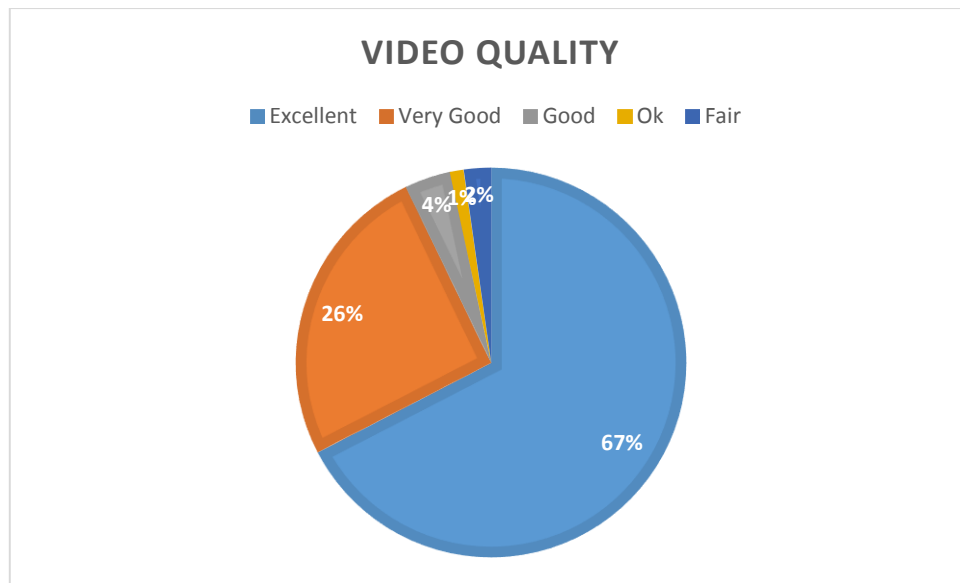
Rate the duration of webinar



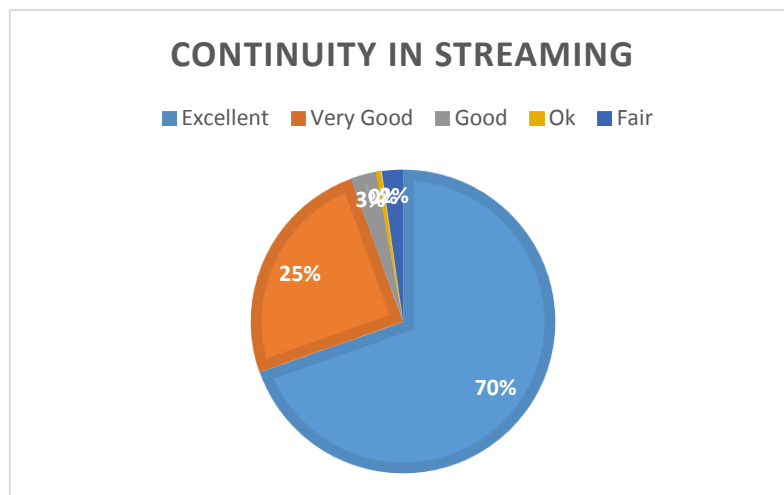
Interaction / Q&A with the resource person



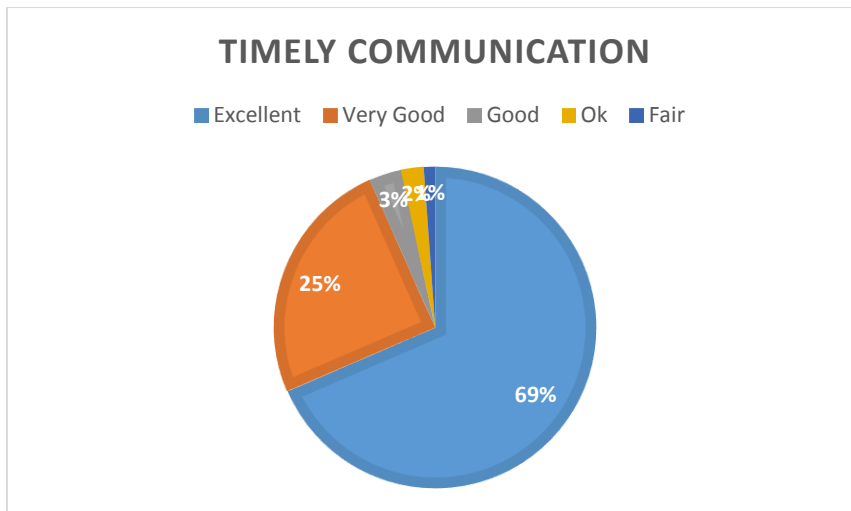
Webinar Video Quality



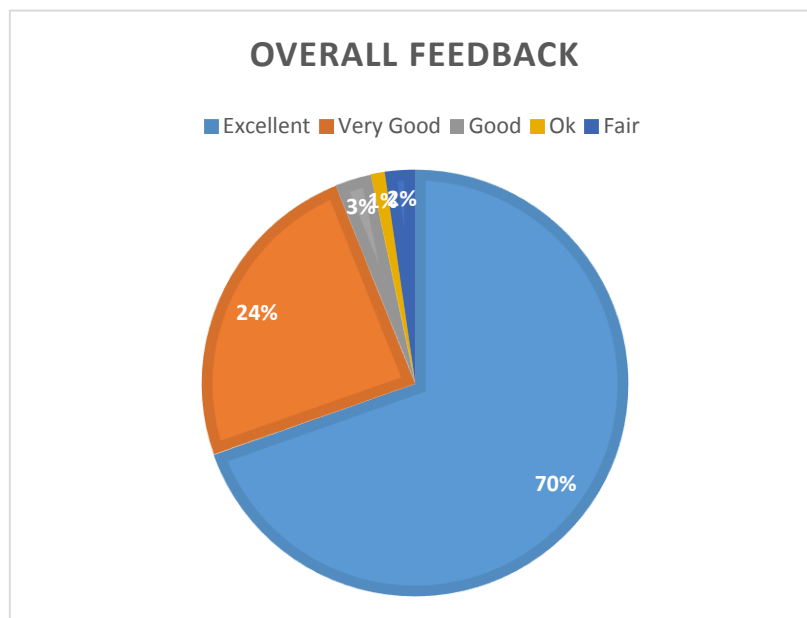
Continuity in streaming



Rate the timely communication in all aspects of the program



Overall feedback of the webinar

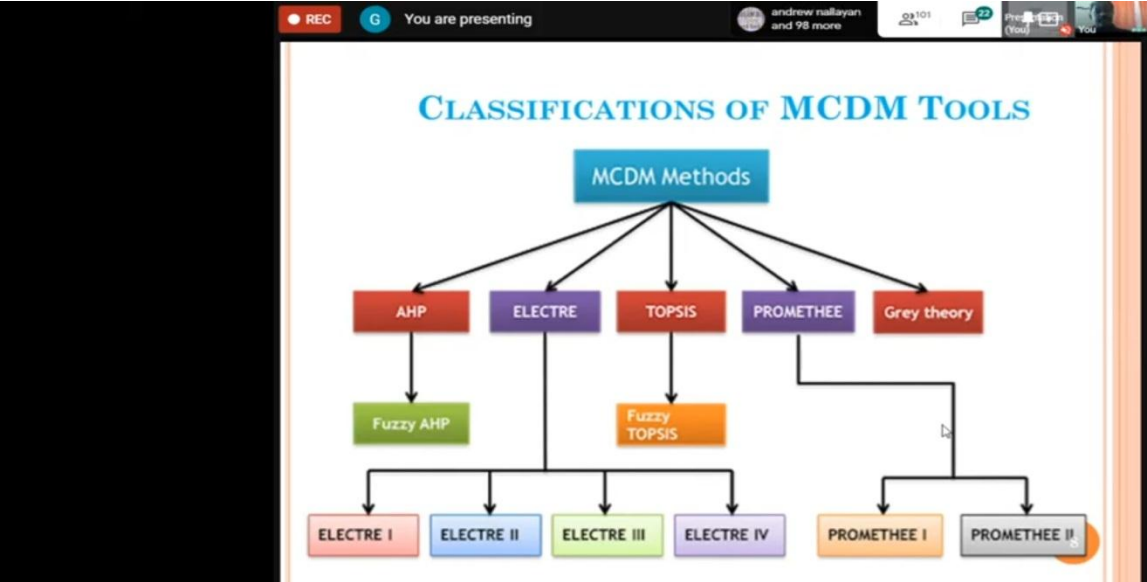


DAY 5 Session III : Dr.S.Godwin Barnabas,Associate professor Ramco Institute of Technology, Rajapalayam.

Topic: applications of MCDM tools (3.00 PM to 4.00 PM)

In this session the resource person was welcomed by Mr.M.santhana maruthu pandian/ AP/ MECH, RIT. The session starts with a practical examples related to decision making process. Decision making model picture is shown to the participants to explain the various terminologies used in the decision making process. Model calculations involved in the decision making process is discussed for various MCDM tools. Merits and demerits of each decision making model is discussed.each decision making models in various engineering and management applications were discussed with the participants. Mr.G.Prabu ram AP(SG), Mr.M.santhana maruthu pandian/AP, Mr. N.L.Sujn/AP,Mr.R.Venkatesh/AP Moderated the

session.final query session and thanking session was handled by Mr.M.santhana maruthu pandian/AP.



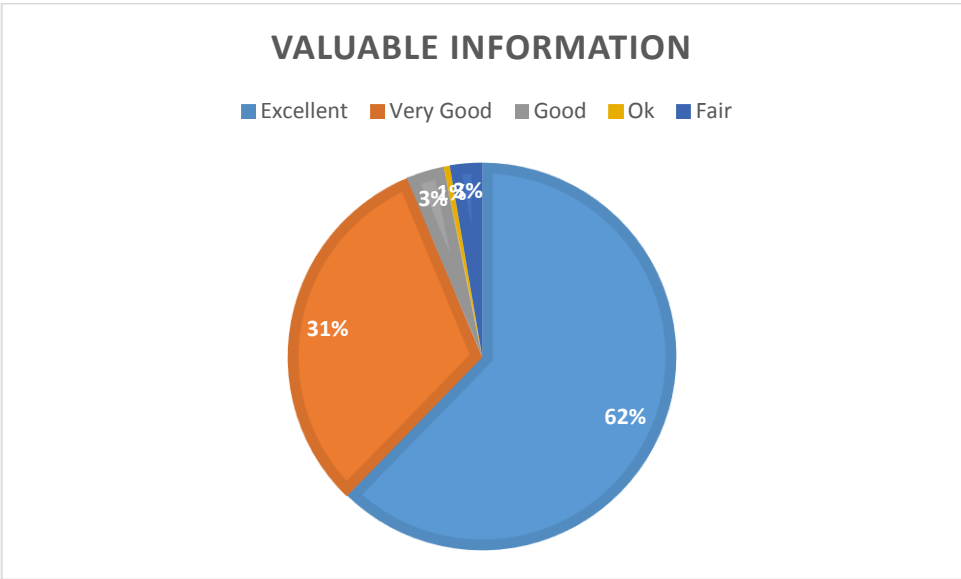
Session III

Total No of Participants: **191**

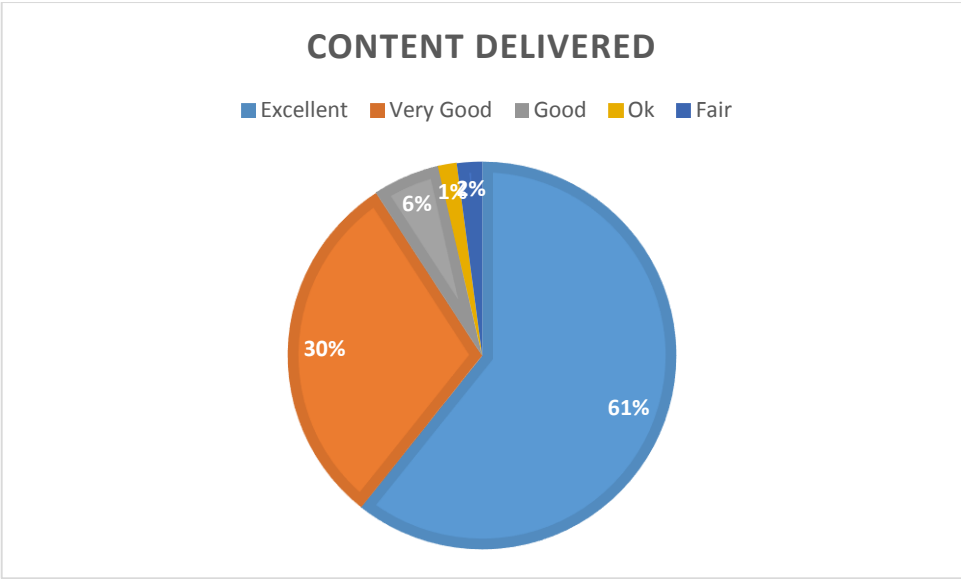
Topic: **Application of MCDM Tools**

Speaker: **Dr.S.Godwin Barnabas, Associate Professor, RIT**

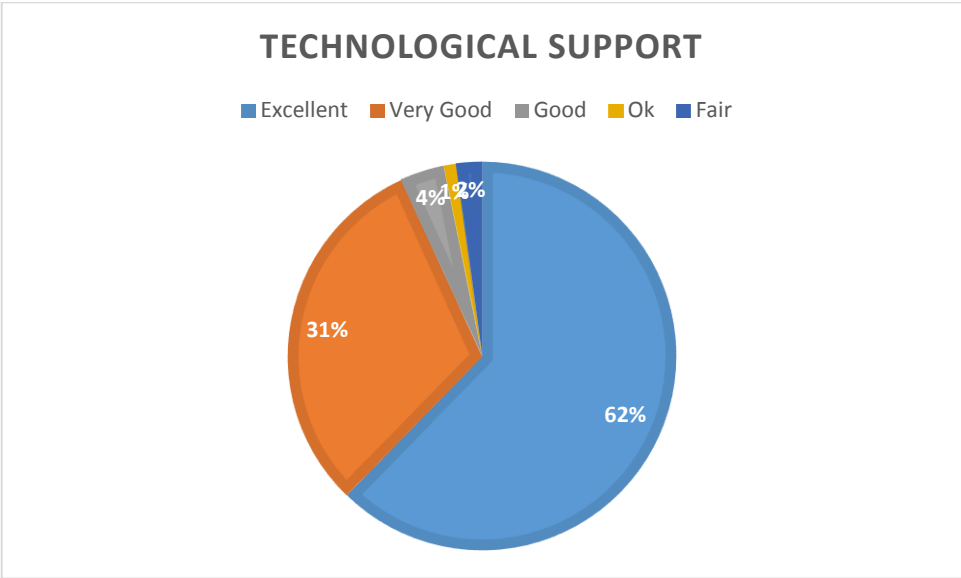
The webinar provided me with valuable information regarding the theme



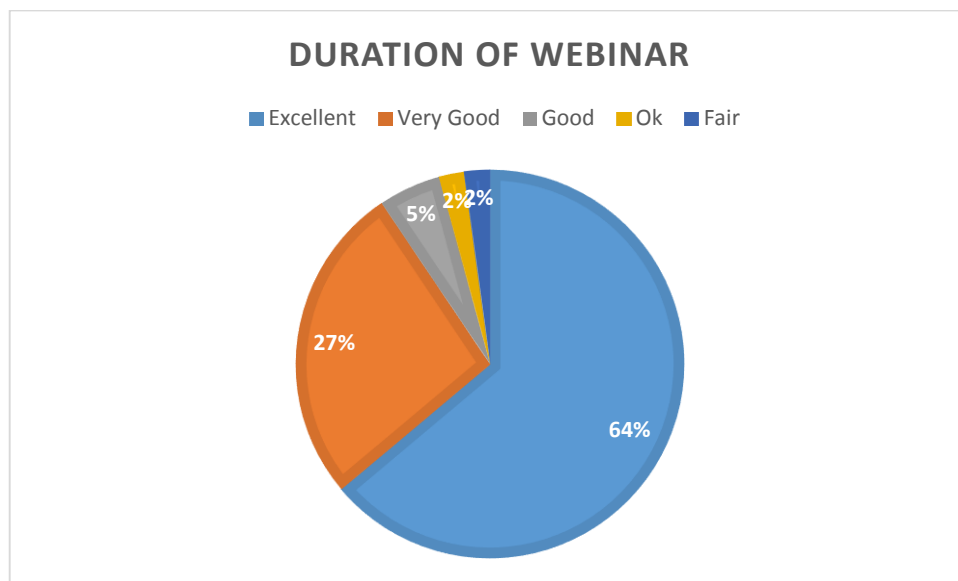
The content delivered by resource person was useful



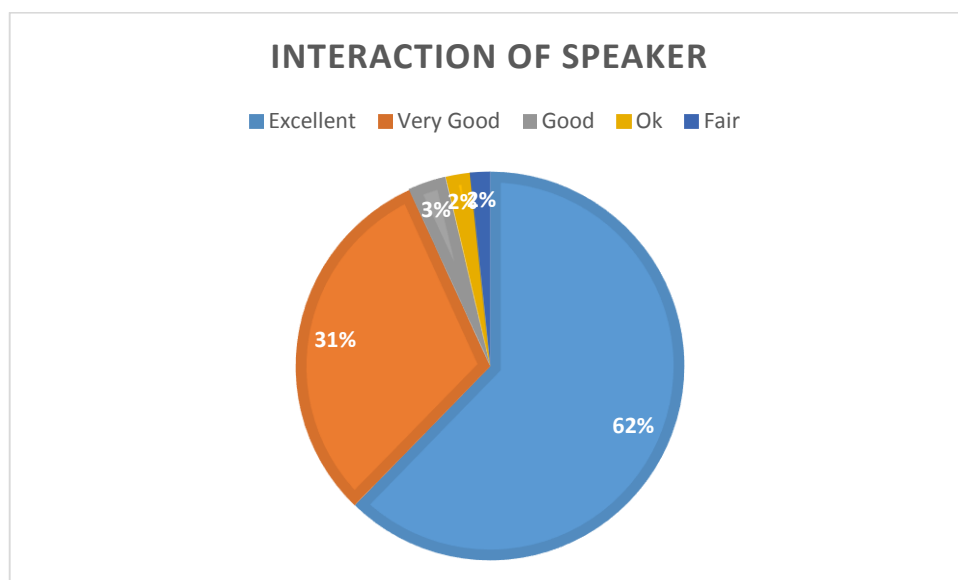
The technological support was strong enough to execute webinar smoothly



Rate the duration of webinar



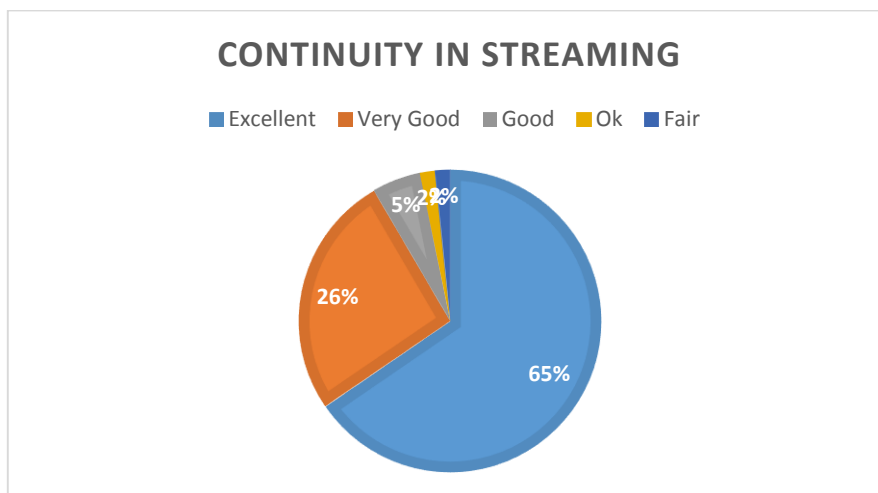
Interaction / Q&A with the resource person



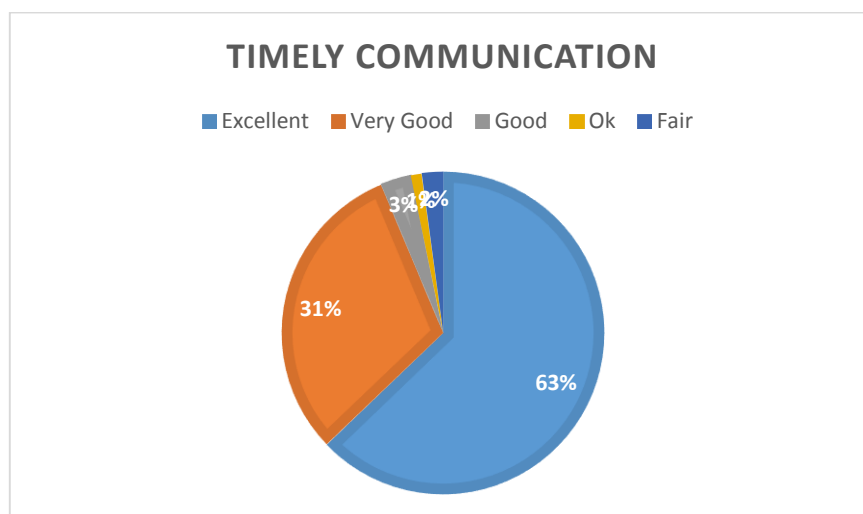
Webinar Video Quality



Continuity in streaming



Rate the timely communication in all aspects of the program



Overall feedback of the webinar



DAY 5 Session IV : Mr.K.R.Rajkumar, Senior Engineer Production Planning and Control Hydac (India) PvtLimited

Topic: Lean Manufacturing in Industry (07.00PM to 08.00PM)

This session was completely engaged by implementation of Lean Six Sigma in Industry by the experience of the resource person in various industries such as TVS Sundaram Fasteners, MILLETEKNIK, Sweden, Volvo & Scania, Germany and Sintex-Bright Auto Plast Limited, Chennai. In this occasion Mr.G.Prabu ram, Assistant professor (Sr.Gr) Ramco Institute of Technology, Rajapalayam welcomed the gathering and introduced the speaker.

Outline of the presentation:

- Definition of Lean
- Just in Time
- Toyota Production System
- Lean Manufacturing Techniques
- 5S
- SMED
- Kanban
- Value Stream Mapping (Expertise and implemented in industries)
- Implementation of Lean Six Sigma.



Finally Question Answer session and thanking session was handled by Mr.G.Prabu ram, Assistant professor (Sr.Gr) Ramco Institute of Technology, Rajapalayam.

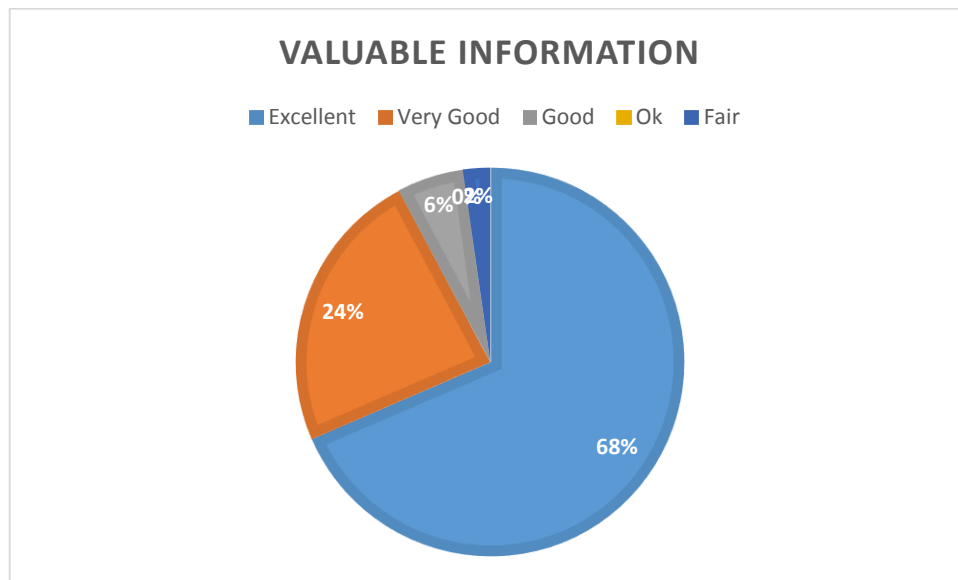
Session IV

Total No of Participants: **181**

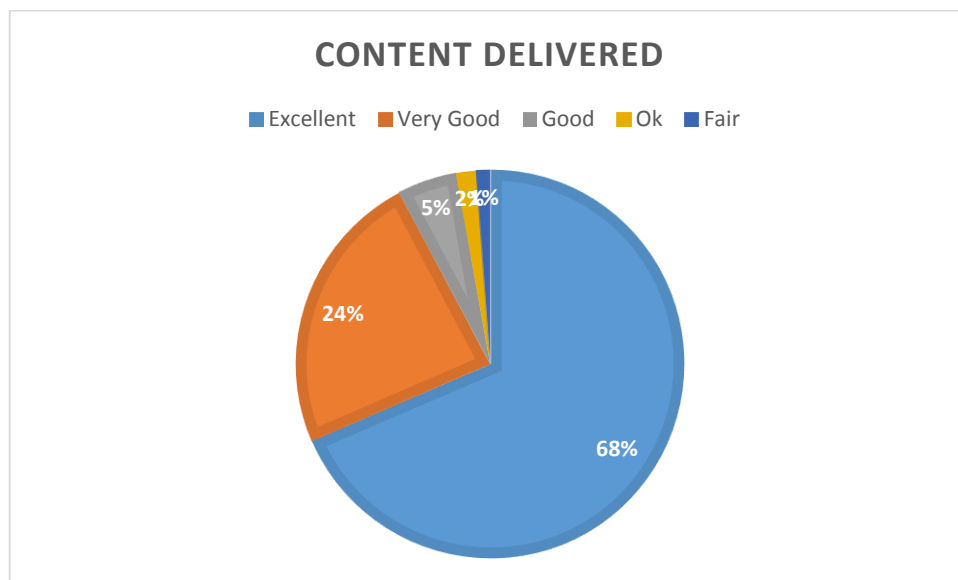
Topic: **Lean Manufacturing in Industries**

Speaker: **Mr.K.R.Rajkumar, Senior Engineer, Hydac (India) Pvt Ltd., Coimbatore**

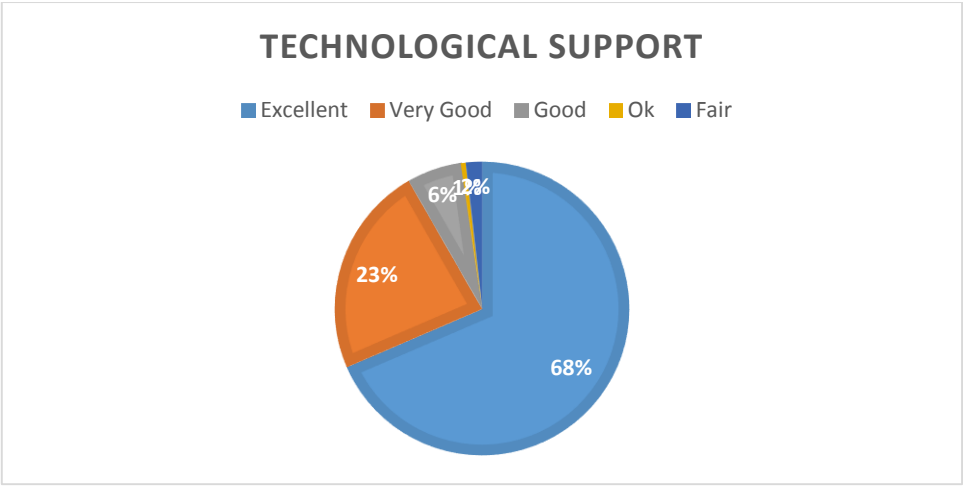
The webinar provided me with valuable information regarding the theme



The content delivered by resource person was useful

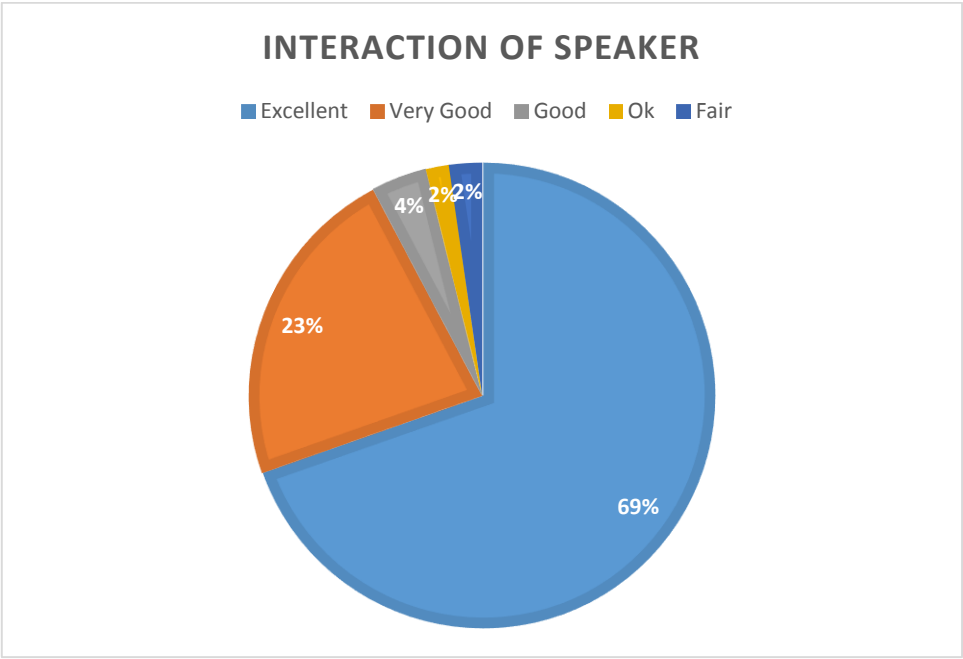


The technological support was strong enough to execute webinar smoothly

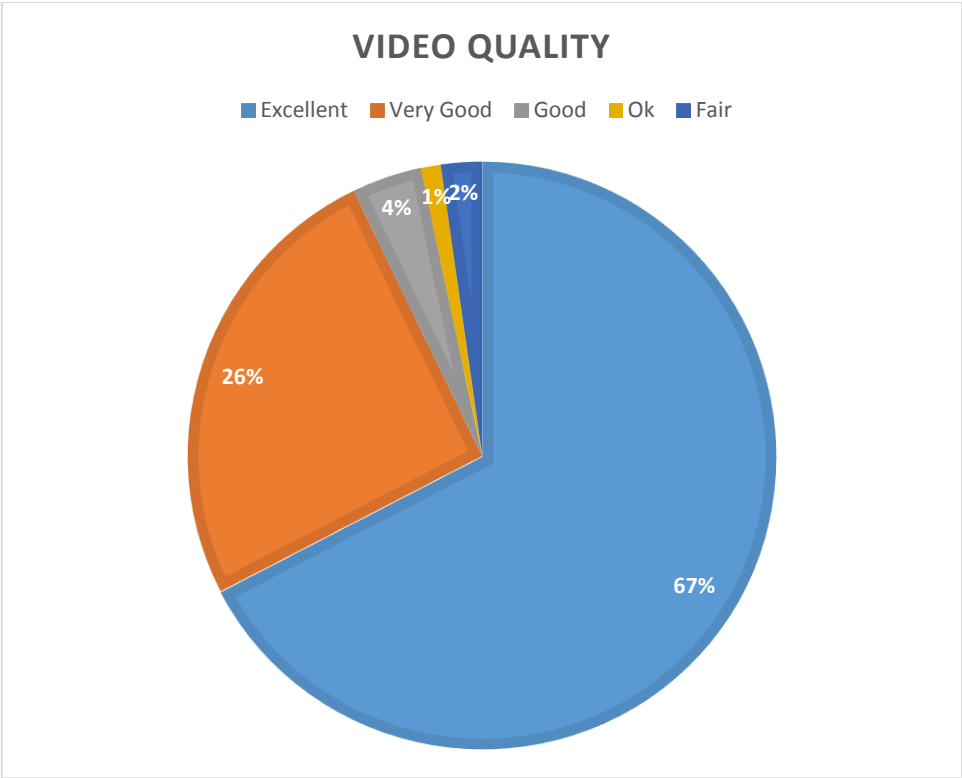


Rate the duration of webinar

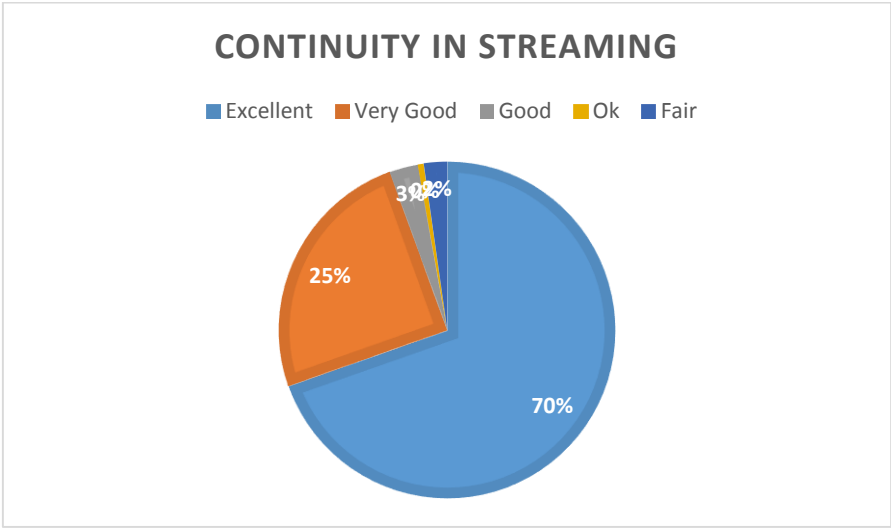
Interaction / Q&A with the resource person



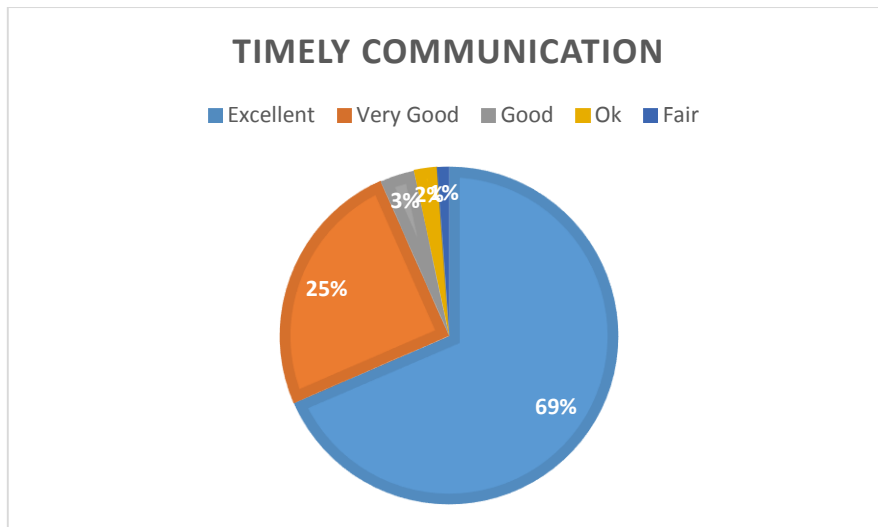
Webinar Video Quality



Continuity in streaming



Rate the timely communication in all aspects of the program



Overall feedback of the webinar



Attendance particulars for Five day webathon on future topics in Mechanical Engineering day wise

s.no	Resource person Name&Designation	Date & Time	Session/Title	Number of Participants Attended
1.	Mr.S.Magesh, Sr. Technical Manager & Mr.T.Hari Prasath, Sr. Application, Adroitec Engineering Solutions (P) Ltd, Chennai	18.05.2020 & (10.00 – 11.00AM)	I/ Creo Design Validation using PTC Creo	102
2.	Mr.J.Jerold John Britto (Sr.Gr), Dept. of Mechanical Engineering, RIT	18.05.2020& (11.30 – 12.30 PM)	II/Augmented reality	212

3.	Mr.A.Bala Ganesa Moorthy, Manager-Digital Engineering Services & Solutions, Chennai	18.05.2020 & (3.00 – 4.00 PM)	III/computational mechanics	211
4.	Dr.I.Siva, Associate Professor, Dept. of Manufacturing Engineering, Kalasalingam Academy of Research and Education, Krishnakoil.	19.05.2020& (10.00 – 11.00AM)	Session I/ Tribology of Polymeric materials a systematic approach	211
5.	Dr.R.Sudhakara Pandian, Professor, Dept.of Manufacturing Engineering, School of Mechanical Engineering, Vellore Institute of Technology, Vellore	19.05.2020& (11.30 – 12.30 PM)	Session II/ HEIJUNKA with reference to service industry	209
6.	Dr.P.Sureshkumar, Associate Professor, Dept. of Mech. Engg., Ramco Institute of Technology, Rajapalayam	19.05.2020& (3.00 – 4.00 PM)	Session III/4D Printing	227
7.	Dr.J.Thangaraja Associate Professor Dept. of Automotive Engineering School of Mechanical Engineering Vellore Institute of Technology, Vellore	20.05.2020& (10.00 – 11.00AM)	Session I/ Automotive Diesel Technology - Challenges and Opportunities	206
8.	Mr.Brezhnev Jeevandandam Simulation Engineer, Opel Automobile Gmbh, Russelsheim Germany	20.05.2020& (11.30 – 12.30 PM)	Session II/ CFD applications in automotive systems	221
9.	Dr.V.Sivakumar, Associate Professor, Dept. of Mech. Engg., Ramco Institute of Technology, Rajapalayam	20.05.2020 & (3.00 – 4.00 PM)	Session III/ Energy Conservation – Save Today & Survive Tomorrow	200
10.	Mr.P.Manikandan, Assistant Professor (Sr.Gr.) / EEE Christ University, Bengaluru	21.05.2020 & (10.00 – 11.00AM)	Session 1/ Advanced Mechatronics in Skill competitions	192
11.	Mr.M.Maheswaran, Senior Executive Officer,	21.05.2020 & (11.30 – 12.30 PM)	Session II/ Application of Robot	217

	Indian Machine Tool Manufacturers Association, Bengaluru		in Manufacturing Automation	
12.	Mr. S.Valai Ganesh, Assistant Professor, Dept. of Mech. Engg., Ramco Institute of Technology, Rajapalayam	21.05.2020 & (3.00 – 4.00 PM)	Session III/ Modular Production Stations	191
13.	Mr. Raguramsingh, Managing partner, Lean Academy, Chennai - 91	22.05.2020& (10.00 – 11.00AM)	Session 1/ Lean Six Sigma	206
14.	Dr.A.Senthil Kumar, Assistant professor, Panruti University College of Engineering, Panruti	22.05.2020 & (1.00 – 2.00 PM)	Session II/ Dimensions of Quality in Manufacturing and Service sector	177
15.	Dr.S.Godwin Barnabas, Associate Professor, Dept. of Mech. Engg., Ramco Institute of Technology, Rajapalayam	22.05.2020 & (3.00 – 4.00 PM)	Session III/ Application of MCDM Tools	191
16.	Mr.K.R.Rajkumar Senior Engineer - Production Planning and Control Hydac (India) Pvt Ltd, Coimbatore.	22.05.2020 & (7.00 – 8.00 PM)	Session IV/ Lean Manufacturing in Industries	181