



RAJARAJESWARI COLLEGE OF ENGINEERING

(Under the auspices of the Moogambigai Charitable and Educational Trust)

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.

Phone: +91-80-28437124, +91-28437375, Fax: +91-80-2843 7373,

www.rrce.org

Department of Mechanical Engineering

With the support of Management, Principal, HOD-Mech, Faculties, the Department of Mechanical Engineering and RajaRajeswari College of Engineering Institution Innovation Council (RRIIC), RajaRajeswari College of Engineering organized, "My Story: Motivational Session by Successful Innovator", on 11th December 2020, 10.00 a.m to 11.30 a.m.

The resource person is Mr.S.Rajakumar, Properotor, Ramji Agro implements, Kovilpatti.

A brief note about the speaker

- Speaker has passed out in B.E. – Mechanical Engineering in the year 2019. He is now a successful entrepreneur.
- He is from an agricultural family background.
- Having 40 acres of dry land, cultivating maize, cotton, green gram, black gram.
- He has designed and developed Multicrop seed drill machine, Reversible disc plow, reversible MB plow, Cultivator, etc
- He is in the stage of design and development of New generation plowing machine and a Fully automated seed sowing machine.



RajaRajeswari College of Engineering, Bangalore

Affiliated to VTU, Belgavi. Approved by AICTE, New Delhi & Govt. of Karnataka. Accredited by HLACT, Texas, USA (Internationally) and by NBA (CSE, ECE, EEE, Mech)



COMED-K: E099 CET Code: E145

Department of Mechanical Engineering & RRIIC

My Story : Motivational Session by Successful Innovator



Resource Person :
Er. S. Rajakumar B.E,
(2019 B.E. Mechanical Engineer)
Innovator - Multicrop Seeder
Ramji Agro Implements, Kovilpatti.



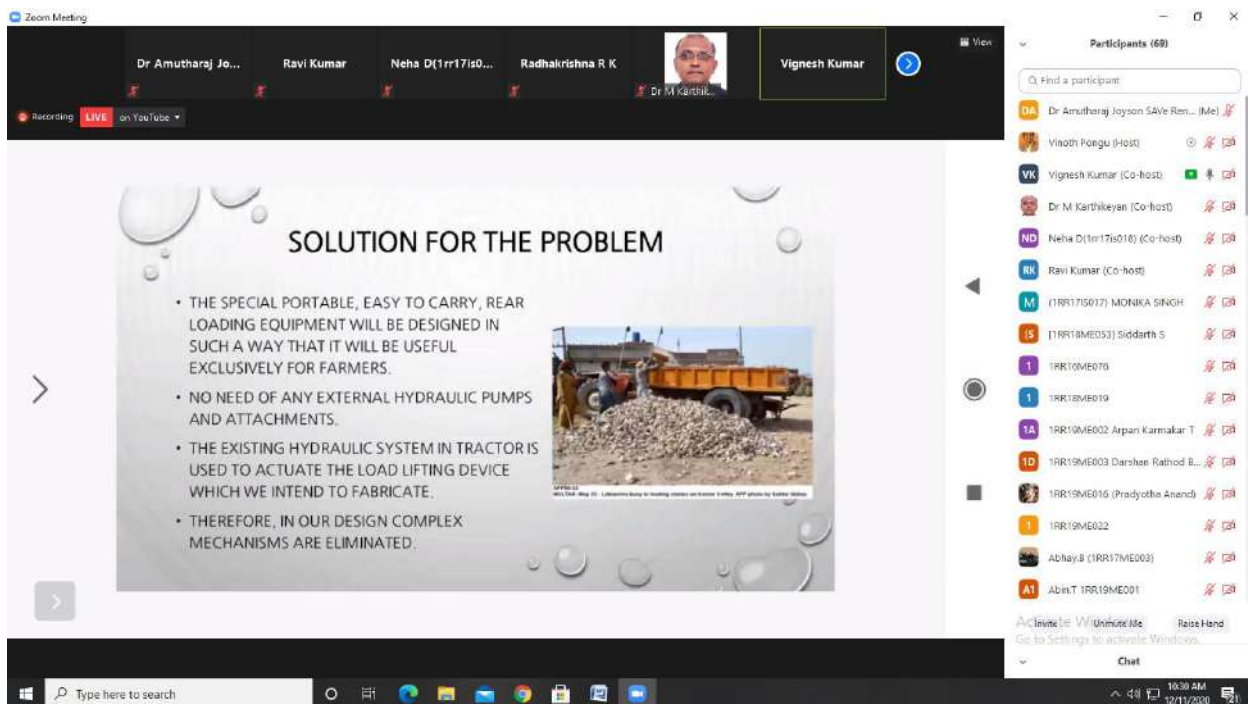
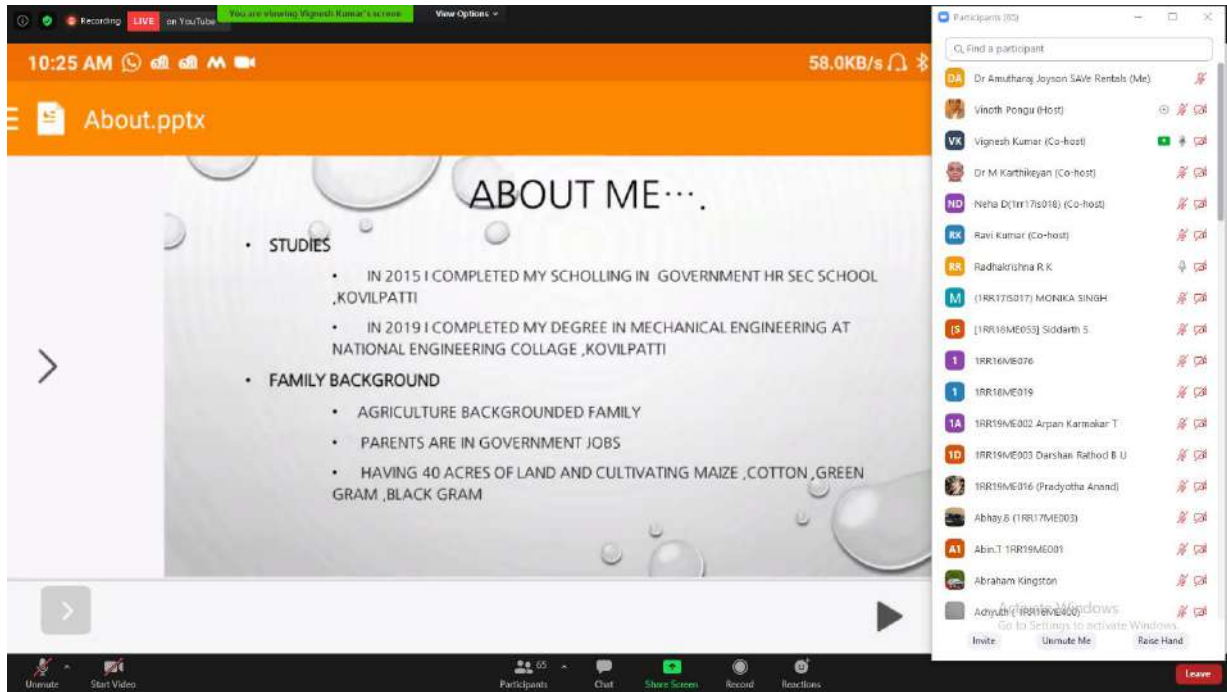
Date : 11.12.2020 (Friday) Time : 10.00 A.M – 11.30 A.M

E-Certificate will be given to the attended and active Participants. Zoom Meeting ID : 863 438 6115
Password : rrbj In Association with



Prof.Ravikumar T **Dr.M.Karthikeyan** **Dr.C.Ramesh** **Dr.T.Chandrashekar, Principal**
Asst. Prof.– Mech. Professor – Mech. Prof & HoD – Mech. Engg. **Dr.J.Amutharaj, President - RRIIC**

He has explained the various agricultural products like Multicrop seed drill machine, Reversible disc plow, Reversible MB plow, Cultivator designed and manufactured by him. He briefed about his journey towards becoming an entrepreneur. He explained how to approach real-life problems, analyze the problem, strategies to be followed to solve the problem, and solution for the problem. He has obtained various grants to manufacture the product. He has set up a start-up with the incubation center of the National College of Engineering, Kovilpatti, Tamil Nadu.



Zoom Meeting | You are viewing Vignesh Kumar's screen | View Options

Dr Amutharaj Jo... | Ravi Kumar | Neha D(1rr17is0... | Radhakrishna R K | Vignesh Kumar

10:30 AM | 22.8KB/s | Recording LIVE on YouTube

About.pptx

• PROBLEM STATEMENT

NOWADAYS, BESIDES HAVING A HEAVY VEHICLE (TRACTOR), FARMERS HAVE TO DEPEND ON EXTERNAL EARTH MOVERS FOR FARM LOADING APPLICATIONS. HENCE THERE IS A NEED OF SIMPLE EQUIPMENT WHICH CAN DO ALL THOSE SORT OF FARM WORK AND REDUCE MANPOWER TO RECTIFY THIS. PROBLEM.

SOLUTION FOR THE PROBLEM

• THE SPECIAL PORTABLE, EASY TO CARRY, REAR

Participants (71)

Dr Amutharaj Joyson Saive Rem... (Me) | Vinoth Pongu (Host) | Vignesh Kumar (Co-host) | Dr M Karthikeyan (Co-host) | Neha D(1rr17is016) (Co-host) | Ravi Kumar (Co-host) | (1RR175017) MONIKA SINGH | (1RR18ME053) Siddarth S | 1RR10ME070 | 1RR18ME019 | 1RR19ME002 Arpan Karmakar T | 1RR19ME003 Darshan Rathod B... | 1RR19ME016 (Pradyotba Anand) | 1RR19ME022 | Adhay.B (1RR17ME003) | Abin.T 1RR19ME001

10:31 AM 12/11/2020

Zoom Meeting | You are viewing Vignesh Kumar's screen | View Options

Dr Amutharaj Jo... | Ravi Kumar | Neha D(1rr17is0... | Radhakrishna R K | Vignesh Kumar

10:31 AM | 29.1KB/s | Recording LIVE on YouTube

About.pptx

OBTAINED SPECIFICATIONS

- WEIGHT LIFTING CAPACITY - 400 KG
- WEIGHT OF THE PRODUCT - 200 KG
- BUCKET CAPACITY - 0.89 YARD
- EFFECTIVE LIFTING HEIGHT - 10.5 FEET
- REQUIRED TRACTOR HP - 35HP AND ABOVE
- HYDRAULIC CYLINDER CAPACITY - 2 TON

Participants (69)

Dr Amutharaj Joyson Saive Rem... (Me) | Vinoth Pongu (Host) | Vignesh Kumar (Co-host) | Dr M Karthikeyan (Co-host) | Neha D(1rr17is016) (Co-host) | Ravi Kumar (Co-host) | (1RR175017) MONIKA SINGH | (1RR18ME053) Siddarth S | 1RR10ME070 | 1RR18ME019 | 1RR19ME002 Arpan Karmakar T | 1RR19ME003 Darshan Rathod B... | 1RR19ME016 (Pradyotba Anand) | 1RR19ME022 | Adhay.B (1RR17ME003) | Abin.T 1RR19ME001

10:31 AM 12/11/2020

Zoom Meeting

Dr Amutharaj Jo... Ravi Kumar Neha D(1rr17is0... Radhakrishna R K Vignesh Kumar

Recording LIVE on YouTube

10:33 AM 26.8KB/s

About.pptx

MULTICROP SEED DRILL

- PROBLEMS IDENTIFIED
- 1. MAN POWER SHORTAGE
- 2. PER ACRE 3000 RS REQUIRED FOR HUMAN WORKERS
- 3. TWO DIFFERENT STAGES ARE REQUIRED FOR SEED SOWING (PLOWING AND SEED SOWING)
- 4. SHORTAGE IN PRECISION
- 5. HIGH COST (1-2 LAKHS) CONVENTIONAL UNITS ONLY AVAILABLE IN THE MARKET

Participants (70)

Find a participant

- 1A 1RR19ME002 Arpan Karmakar T
- 1D 1RR19ME003 Darshan Rathod B...
- 1RR19ME016 (Pradyotha Anand)
- 1 1RR19ME022
- Abhay S (1RR17ME003)
- A1 Abin T 1RR19ME001
- Abraham Kingston
- Adityath (1RR19ME400)
- BR Balaji R
- BA Bharath Akshay S (1RR17ME012)
- BK Bharath K(b1rr17me013)
- Bheemrao Wadekar
- BH BK HEMGAGAR 1RR17ME009
- BN BV Navtheg
- CR Chiranjeevi Ram(17me019)
- DM Deepashree M L 1RR19ME400

Invite Unmute Mute Raise Hand

Go to Settings to activate Windows.

Chat

Type here to search

10:33 AM 12/11/2020

Zoom Meeting

Dr Amutharaj Jo... Ravi Kumar Neha D(1rr17is0... Radhakrishna R K Vignesh Kumar


Recording LIVE on YouTube

10:35 AM 22.5KB/s

About.pptx

SOLUTION

The developed product is offering effective solution to the seed sowing problems by varying the distance and the depth. The equipment is having ploughing tool to place the seeds at the appropriate depth



Participants (73)

Find a participant

- 1A 1RR19ME002 Arpan Karmakar T
- 1D 1RR19ME003 Darshan Rathod B...
- 1RR19ME016 (Pradyotha Anand)
- 1 1RR19ME022
- Abhay S (1RR17ME003)
- A1 Abin T 1RR19ME001
- Abraham Kingston

Invite Unmute Mute Raise Hand

Chat

From Purnabharathi Rajan 1rr19me006 to Everyone: sir we can't hear you

From Me to Everyone: How did you find out which equipment to be innovated for farmers? Have you interacted with farmers and discuss with them for where you have to focus? Its a good experience sharing by session by a young and energetic entrepreneur.

Get Windows

Go to Settings to activate Windows. Type message here...

Type here to search

10:35 AM 12/11/2020

Zoom Meeting

Dr Amutharaj Jo... | Vignesh Kumar | Goutham U (17... | Dhanush .v IRR... | Chandra Shekar...

Recording LIVE on YouTube

10:44 AM | 47.6KB/s

About.pptx | Edit

STAGES FOR MY PRODUCT INVENTIONS

- PROBLEM IDENTIFIED
- DESIGN
- MANUFACTURING
- FIELD TESTING
- RE DESIGN AND UPGRADE
- FINAL TEST
- MARKETING

Participants (70)

Find a participant

- 1 1RR19ME018
- 1A 1RR19ME002 Arpan Karmakar T
- 1D 1RR19ME003 Darshan Rathod S...
- 1RR19ME016 (Pradyotha Anand)
- 1 1RR19ME022
- Abhay B (1RR17ME003)
- AS Abhishek S P

Invite | Unmute Me | Raise Hand

Chat

How did you adjust the seed distance between two plants for different crops ? 1 inch to 5 inches

From Prashanth (1RR16ME075) to Everyone sir u voice is little breaking sir

From Me to Everyone: Have you used this multicrop seeder in the farm land ? Information session and also truly experience sharing session. How did you maintain accuracy and precision in the distance to be maintained between two plants?

10:44 AM 12/11/2020

Zoom Meeting

Dr Amutharaj Jo... | Vignesh Kumar | Goutham U (17... | Dhanush .v IRR... | Chandra Shekar...

Recording LIVE on YouTube

10:46 AM | 25.0KB/s

About.pptx | Edit

- PROBLEM IDENTIFIED
- DESIGN
- MANUFACTURING
- FIELD TESTING
- RE DESIGN AND UPGRADE
- FINAL TEST
- MARKETING

Participants (71)

Find a participant

- 1 1RR19ME018
- 1A 1RR19ME002 Arpan Karmakar T
- 1D 1RR19ME003 Darshan Rathod S...
- 1RR19ME016 (Pradyotha Anand)
- 1 1RR19ME022
- Abhay B (1RR17ME003)
- AS Abhishek S P

Invite | Unmute Me | Raise Hand

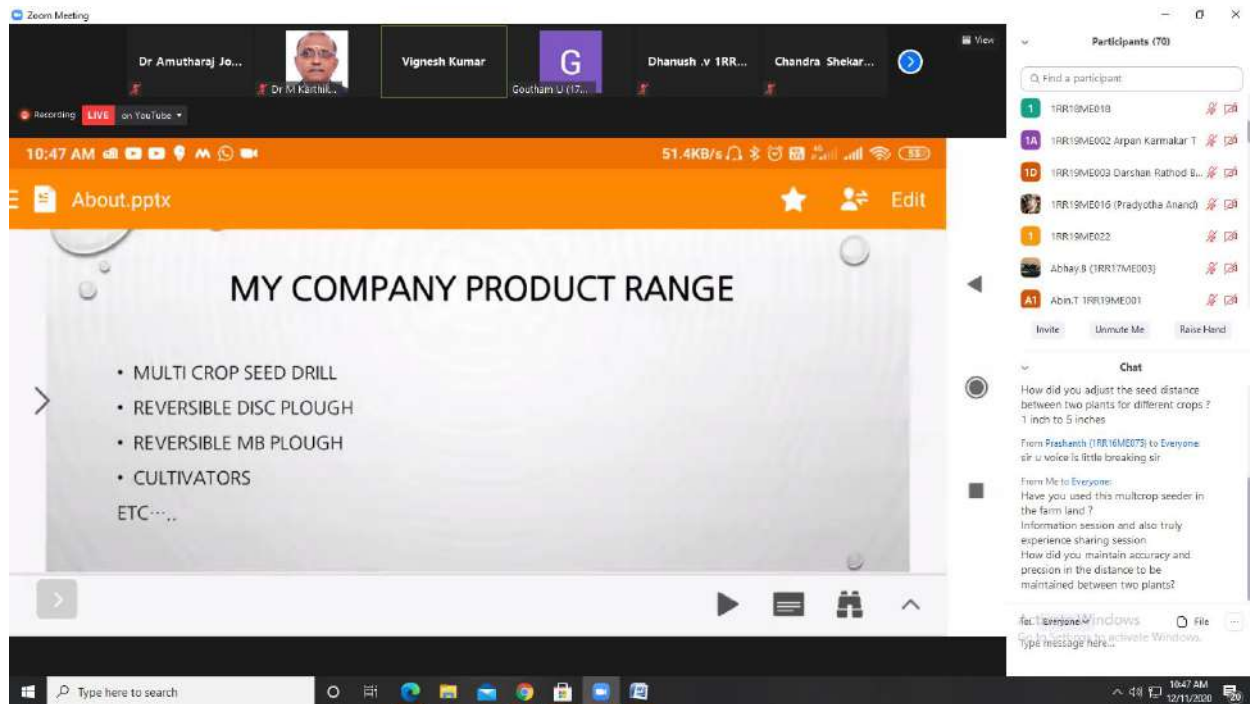
Chat

How did you adjust the seed distance between two plants for different crops ? 1 inch to 5 inches

From Prashanth (1RR16ME075) to Everyone sir u voice is little breaking sir

From Me to Everyone: Have you used this multicrop seeder in the farm land ? Information session and also truly experience sharing session. How did you maintain accuracy and precision in the distance to be maintained between two plants?

10:46 AM 12/11/2020



There was an overwhelming response from participants around 100+ participants were attended the program, which includes more number of faculties.

Students from the Department of Information Science and Engineering introduce and welcome the speaker.

Dr.T.Chandrashekar, Principal, Dr.J.Amutharaj, President – RRIIC, Professor & Head – ISE, Dr.G.Vinoth, Startup Designer, Pongu Ventures, Chennai, Dr.C.Ramesh, Convener – RRIIC, Professor and Head – Mech. Engg, extended their support to organize the entrepreneurial talk.

Dr.M.Karthikeyan, Professor, Prof. Ravikumar T, Assistant Professor, Department of Mechanical Engineering coordinating the event.

Prof. Ravikumar T, Assistant Professor has given the vote of thanks and conclude the webinar.
