

A REPORT
ON
THREE DAYS WEBINAR TITLED
“EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO”.
08th JUNE 2020 to 10th JUNE 2020.



Organized by
Department of Electronics and Communication Engineering
KINGS COLLEGE OF ENGINEERING, PUNALKULAM

A NAAC Accredited Institution

Recognized under 2(f) & 12(B) of UGC

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

Phone : 04362-282474, 282395 Website : www.kingsindia.net

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A Glimpse on the Background of Webinar:

In KCE, Department of Electronics and Communication Engineering, has organized Three days Webinar titled “EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO” exclusively for Engineering and Polytechnic Students from 08th June 2020 to 10th June 2020 at 11.00 a.m to 12.00 noon.

The main objective of this Webinar is to utilize the lockdown period by providing the basics of Embedded system and to have the coding knowledge and also to develop the project using Arduino.

Under the guidance of our Principal, Dr. J. Arputha Vijaya Selvi, we hosted this Webinar. Mrs. N.Mangaiyarkarasi, HOD/ECE was the convener of our webinar. Mrs.D.Vennila, AP/ECE, Mrs.U.Jeyamalar, AP/ECE & Mrs.P.Thirumagal, AP/ECE were the program coordinators.

OVERVIEW OF THE WEBINAR:

ABOUT THE RESOURCE PERSONS:

The resource person for Day-1 webinar was Mr.P.Raja Pirian, Assistant Professor, Kings College of Engineering.

The resource person for Day-2 webinar was Mr.T.Pasupathi, Assistant Professor, Kings College of Engineering.

The resource person for Day-3 webinar was Mr.T.Jeyaseelan, Assistant Professor, Kings College of Engineering.

ABOUT THE REGISTRATION PROCESS:

The webinar was planned to conduct via Google meet platform. The registration link was created through Google forms and the link was posted in various Whats app groups.

Registration Link: <https://tinyurl.com/KingsEmbedded>.

We have received 214 responses from various institutions. Before one day of the Webinar, we have stopped receiving the registration response. For all the registered participants we gave the confirmation mail for our Webinar participation. Then the registered participants were asked to join in our WhatsApp group named “KINGS WEBINAR ON EMBEDDED”. For all the three days of the program, the webinar Google meet link was given to all the registered participants 1 hour

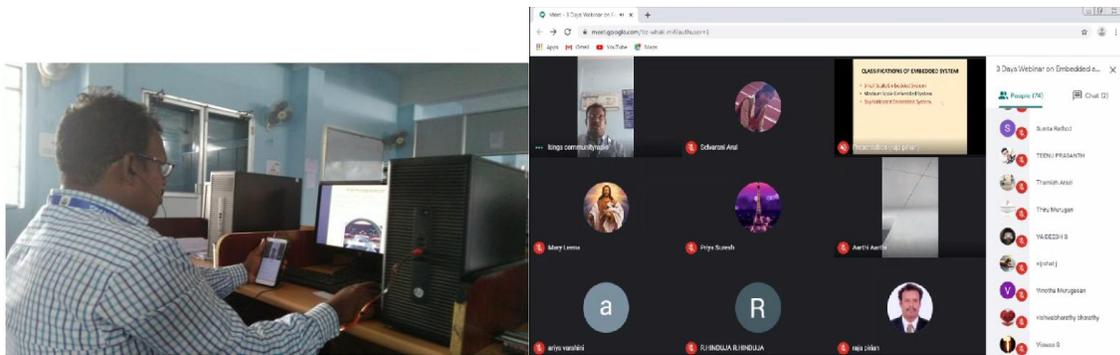
before the commencement of the program through their E-Mail Id and also through the Whats App group.

ABOUT THE WEBINAR:

DAY-1:

The webinar was started at 11.00 a.m with 100 participants. Mrs. D.Vennila, AP/ECE coordinator of this webinar welcomed the resource person and the participants by the words and she gave the Introduction about the Resource person. Then the session was handed over to the Resource person. He explained about the basics of Embedded systems, various Embedded processors and its Applications and also he explained clearly about the design methodology of fan controller from design to final product. Finally he gave some real time examples of Embedded systems. At 12.00 noon he comes to the end of the session. The queries were asked by the participants for 10 minutes. He gave the answers for all the queries. At 12.10 p.m we have posted the Feedback link Via the chat box.

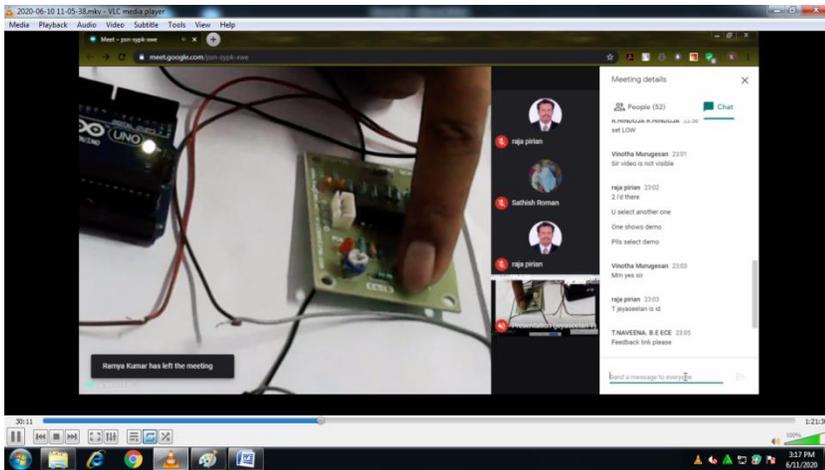
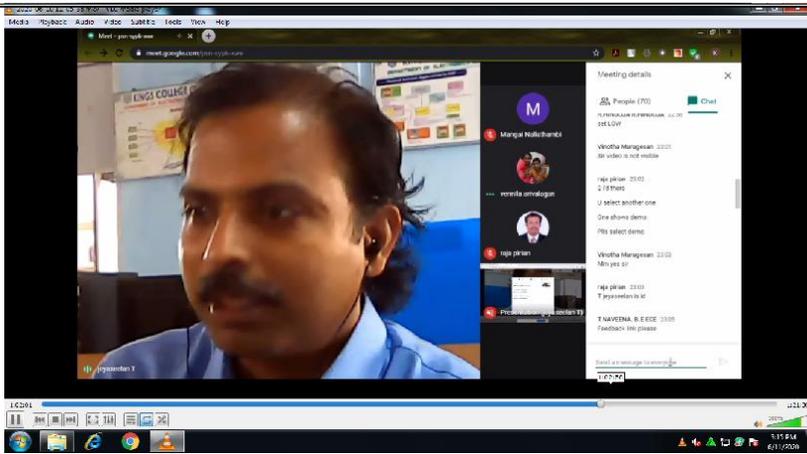
Feedback Link: Day-1: <https://forms.gle/pMktr2NcaTo9wL3g7>



DAY-2:

The webinar was started at 11.00 a.m with 96 participants. Mrs. P.Thirumagal, AP/ECE coordinator of this webinar welcomed the resource person and the participants by the words and she gave the Introduction about the Resource person. He started with basic and need of embedded system in day-to-day life. Arduino-Introduction, programming the Arduino, different variants of Arduino and functions were demonstrated with syntax and examples. Finally, he explains the real-time interfacing of sensors with Arduino were explained in a detailed manner. At 12.00 noon he comes to the end of the session. The queries were asked by the participants for 10 minutes. He gave the answers for all the queries. At 12.10 p.m we have posted the Feedback link Via the chat box.

Feedback Link: Day-2: <https://forms.gle/KXBRS6a115EmvpS4A>



DAY-3:

The webinar was started at 11.00 a.m with 90 participants. Mrs. U.Jeyamalar, AP/ECE coordinator of this webinar welcomed the resource person and the participants by the words and she gave the Introduction about the Resource person. Then the session was handed over to the Resource person. This session was completely on hands on session, He explained about the various blocks and ports in the Arduino. He gives demonstration on blinking of LED and RF ID reader. He explain the program and the circuit also. Finally he gave some project ideas of Embedded systems. At 12.00 noon he comes to the end of the session. The queries were asked by the participants for 10 minutes. He gave the answers for all the queries. At 12.10 p.m we have posted the Feedback link Via the chat box.

Feedback Link: Day-3: <https://forms.gle/uJy3DJFcSXyvUXxD8>

Finally, Mrs.N.Mangaiyarkarasi, HOD/ECE gave the vote of thanks with a word and she appreciated all the student participants and the resource persons for their effort.

Thus the program ended successfully.

OUTCOME:

We received 214 registrations from 53 various Institutions.

Among the 214 registered participants 100 +96+90 have attended the session.

First day we received 100 feedbacks from the participants about the webinar via the Feedback Link.

Second day we received feedbacks from all the 96 participants about the webinar via the Feedback Link.

Third day we received 90 feedbacks from the participants about the webinar via the Feedback Link.

The E-Certificate was provided to all the attendees through their E-mail Id.

Annexure: I
BROCHURE



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**Department of
Electronics & Communication
Engineering**



STB16621



**Three Days Webinar on
Embedded and Real Time Systems Using Arduino**
08.06.2020 to 10.06.2020 @ 11:00am to 12:00noon

Resource Persons



Mr.P.Raja Pirian
Assistant Professor
Department of ECE

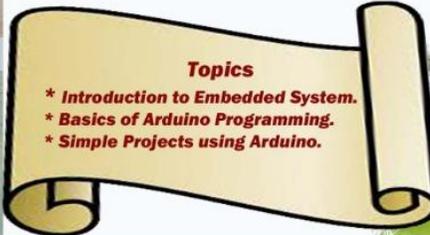


Mr.T.Jeyaseelan
Assistant Professor
Department of ECE



Mr.T.Pasupathi
Assistant Professor
Department of ECE

E- Certificates will be provided to the Participants



Co-ordinators : Mrs.D.Vennila,AP/ECE | Mrs.U.Jeyamalar,AP/ECE | Mrs.P.Thirumagal,AP/ECE

Convener
Mrs.N.Mangaiyarkarasi
HOD/ECE



Patron
Dr.J.Arputha Vijaya Selvi
PRINCIPAL

Register Now : <https://tinyurl.com/KingsEmbedded>

<https://www.Kingsindia.net>

<fb://Kings College of Engineering>

Annexure: II
Registration Details

S.NO	Name of the Institution	CITY	No. of Participants
1.	A.K.T Memorial college of Engineering and Technology	Kallakurichi	03
2.	AGCE TIRUNELVELI	TIRUNELVELU	01
3.	Agni College of Technology	Chennai	01
4.	Arcot sri mahalakshmi women's college villapakkam	Vellore	01
5.	Avinashilingam university	Palani	01
6.	Bannari Amman Institute of Technology	Namakkal	01
7.	Basaveshwar engineering college	Bagalkot	06
8.	Bhaktavatsalam memorial college for women	Chennai	01
9.	Bharathiar University	Chennai	01
10.	Bon secours college for women	Thanjavur	02
11.	D.N.R college of engineering and technology	Bhimavaram	08
12.	Ganadhipathy Tulsis Jain engineering college	Vellore	21
13.	Government Arts and science college, Gudalur	Gudalur, Nilgiris	01
14.	GTEC	Arni	04
15.	Holy cross engineering college	Thoothukudi	01
16.	IARE	Hyderabad	01
17.	JEPPIAAR SRR ENGINEERING COLLEGE	CHENNAI	01
18.	K RAMAKRISHNAN COLLEGE OF ENGINEERING	JAYANKONDAM	01
19.	K.S.R	ERODE	01
20.	K.S.R.M. COLLEGE OF ENGINEERING	Kadapa	01
21.	Karpagam college of engineering	Coimbatore	11
22.	kings college of Engineering	Thanjavur	38
23.	Knowledge Institute of technology	Salem	02
24.	KONGU ENGINEERING COLLEGE	ERODE	18
25.	Mahendra Engineering College	Nagappattinam	02
26.	MallaReddy Engineering College	Hyderabad	01
27.	Murugappa Polytechnic College	Thiruvallur	08
28.	Nandha Engineering College	Tirupur	01
29.	National College	Trichy	11
30.	Nehru Institute of Engineering and Technology	Salem	02
31.	Prince Shri Venkateshwara Arts and Science College	Chennai	01
32.	PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY	TUTICORIN	02
33.	PSNA College of engineering and technology	Madurai	01
34.	PSNA college of engineering and technology	Dindigul	03

35.	R V COLLEGE OF ENGINEERING	Bengaluru	01
36.	RAMAKRISHNA MISSION VIVEKANANDA COLLEGE	CHENNAI	01
37.	RV College of Engineering	Bangalore	01
38.	Sanjivani College	Kpg	01
39.	Sathyabama Institute of science and technology	Chennai	04
40.	Sathyabama institute of science and technology	Patna	01
41.	Sathyabama Institute of Science And Technology	KHAMMAM	01
42.	Shree Venkateshwara hi-tech engineering college	Erode	06
43.	SONA COLLEGE OF TECHNOLOGY	Salem	01
44.	Sri Krishna Arts And Science College	Coimbatore	02
45.	Sri krishna college of engineering and technology	Coimbatore	06
46.	Sri Sairam engineering college	Tirupur	06
47.	Sri Sairam Engineering College	Chennai	01
48.	SRM institute of science and technology	Chennai	03
49.	St. Joseph's college of engineering and technology	Thanjavur	04
50.	ST. MOTHER THERESA ENGINEERING COLLEGE	Thoothukudi	05
51.	Thiruvalluvar University	Arcot	02
52.	UNIVERSITY V.O.C COLLEGE OF ENGINEERING,	THOTHUKUDI	05
53.	Vel tech multi tech engineering college	Chennai	04
Total No. of Participants Registered.			214

Annexure: III
Registration Form

Questions Responses 214

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INSTITUTIONS
INNOVATION
COUNCIL
Department of
**Electronics & Communication
Engineering**

IEEE
STB16621

Kings - Three Days Webinar on Embedded and Real Time Systems Using Arduino

Organized By Dept. of ECE in association with IIC & IEEE , Kings College of Engineering, from 08.06.2020 to 10.06.2020 @ 11.00 am -12.00 noon
Kindly Joined in WhatsApp Group : <https://chat.whatsapp.com/JGD0we1JUc071htk50nBS1>

Annexure: IV
Feedback Form

Questions Responses **100**



DAY-1 FEEDBACK FORM FOR WEBINAR SERIES ON "EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO"

Webinar on " EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO" -

DAY-1 : 08-06-2020 (MONDAY)



Questions Responses **96**



DAY-2 FEEDBACK FORM FOR WEBINAR SERIES ON "EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO"

Webinar on " EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO" -

DAY-2 : 09-06-2020 (TUESDAY)





DAY-3 FEEDBACK FORM FOR WEBINAR SERIES ON "EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO"

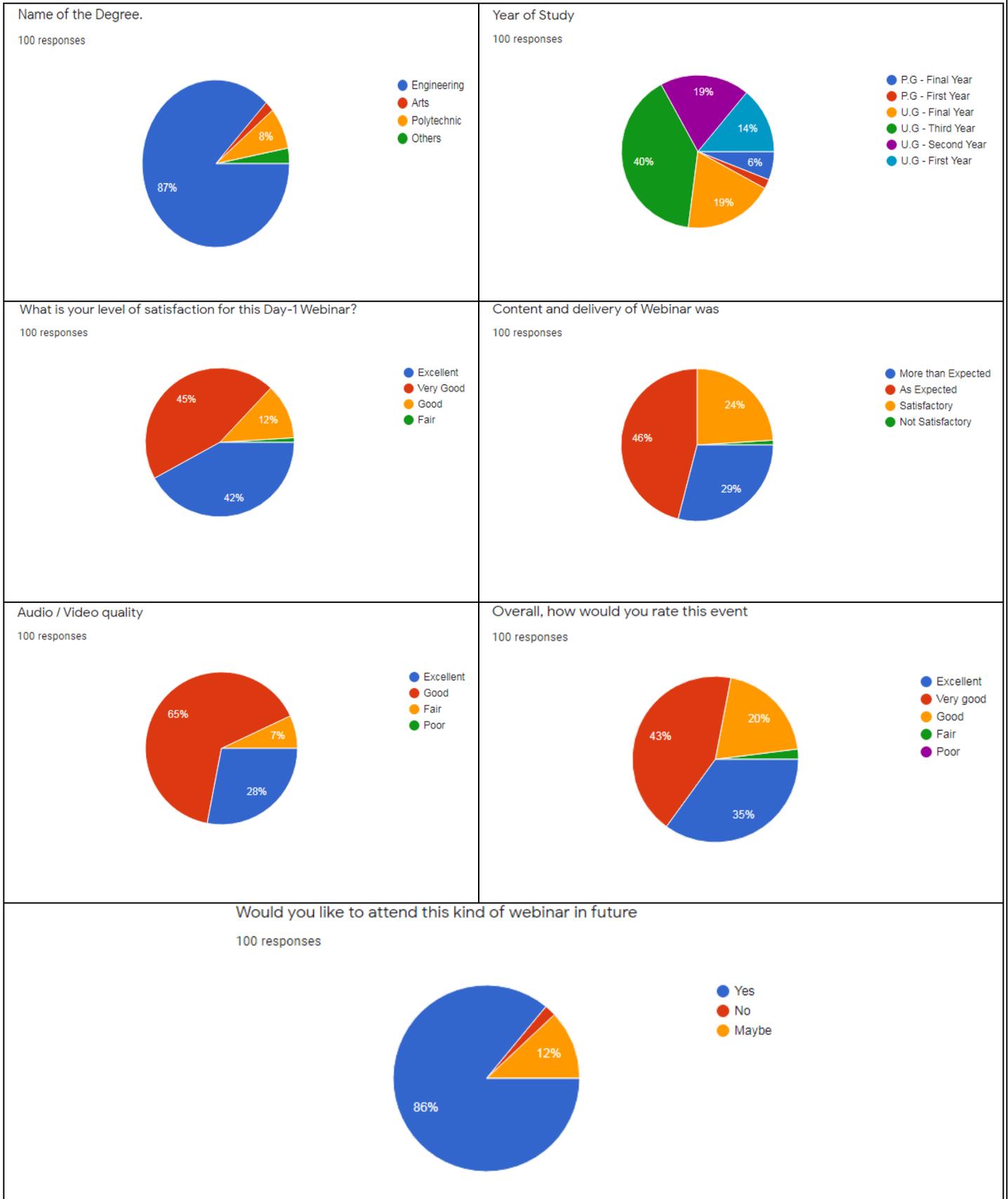
Webinar on " EMBEDDED AND REAL TIME SYSTEMS USING ARDUINO" -

DAY-3 : 10-06-2020 (WEDNESDAY)

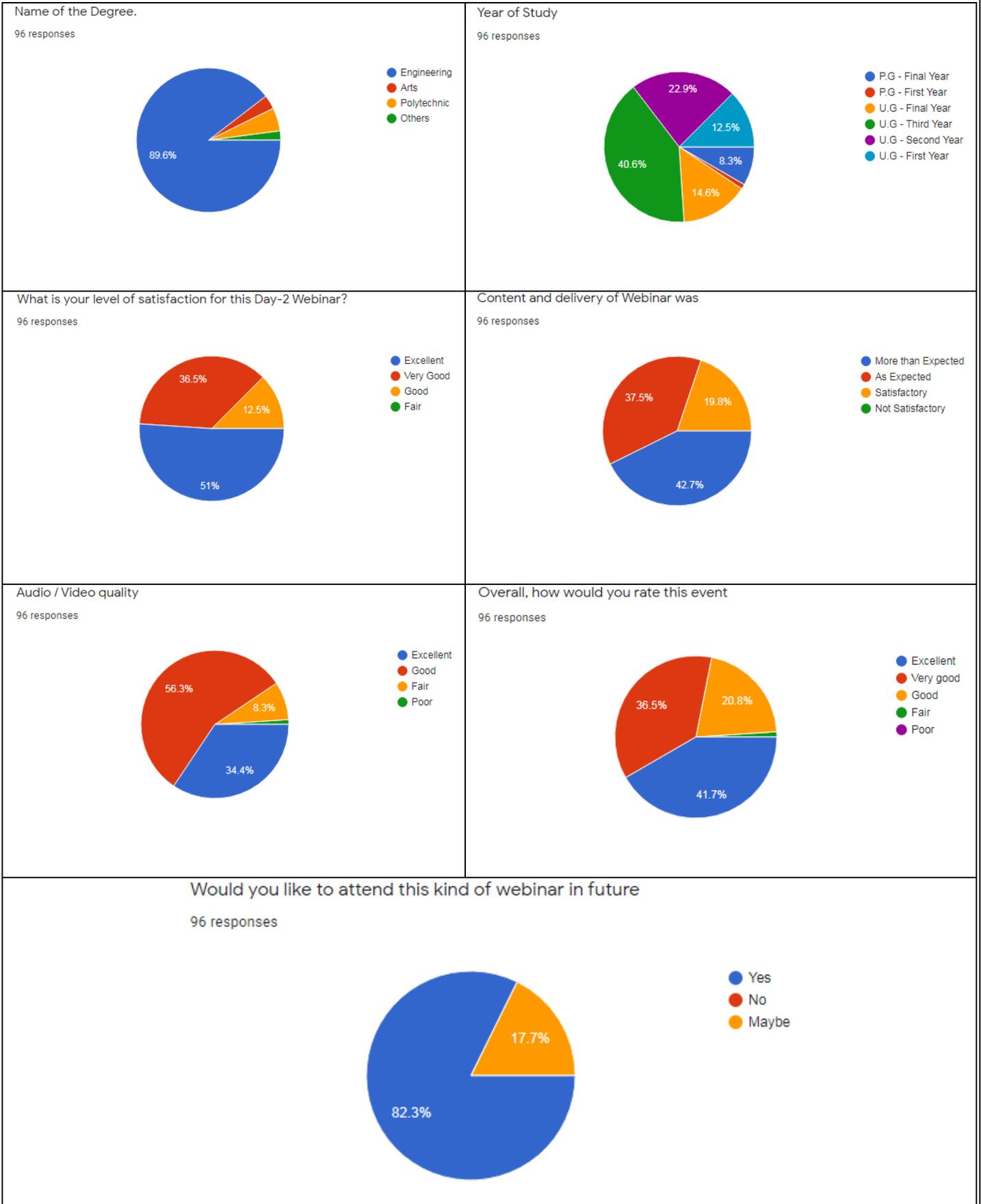


Annexure: V

Feedback Response- Day-1



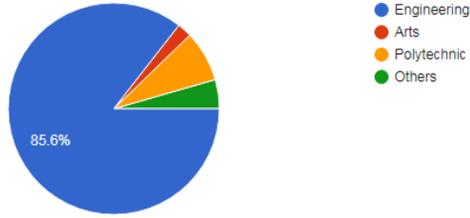
Feedback Response- Day-2



Feedback Response- Day-3

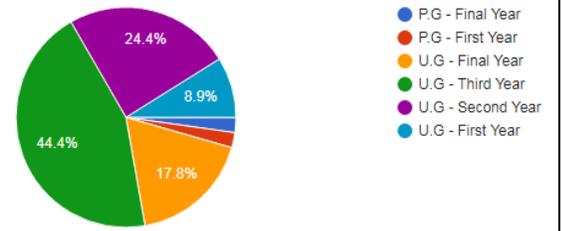
Name of the Degree.

90 responses



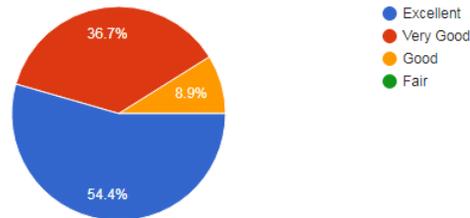
Year of Study

90 responses



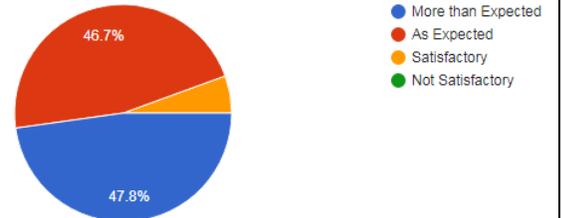
What is your level of satisfaction for this Day-3 Webinar?

90 responses



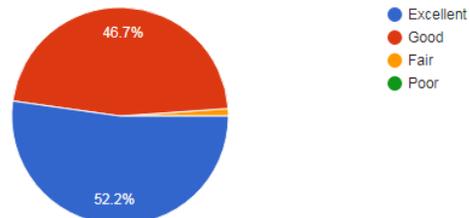
Content and delivery of Webinar was

90 responses



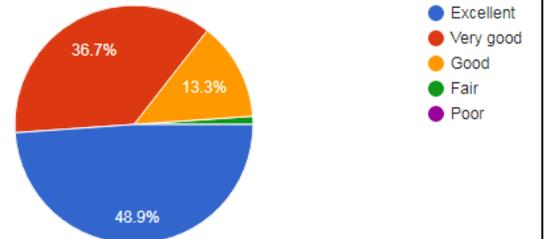
Audio / Video quality

90 responses



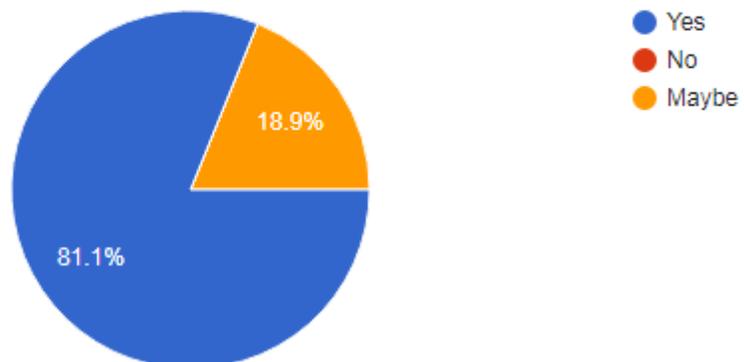
Overall, how would you rate this event

90 responses



Would you like to attend this kind of webinar in future

90 responses



Annexure: VI
Sample Certificates



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Certificate for Participation
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

This is to certify that Mr./Ms. BARYSHALINI
of A.K.T MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY
has participated in the three days webinar titled “**Embedded and Real Time Systems Using Arduino**” organized by Department of ECE, Kings College of Engineering, Pudukkottai, from 08-06-2020 to 10-06-2020.

Coordinators Mrs.D.Vennila, AP/ ECE Mrs.U.Jeyamalar, AP/ ECE Mrs.P.Thirumagal, AP/ECE	HOD Mrs.N.Mangaiyarkarasi	Principal Dr.J.Arputha Vijaya Selvi
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Certificate for Participation
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

This is to certify that Mr./Ms. A NARMADHA
of KARPAGAM COLLEGE OF ENGINEERING
has participated in the three days webinar titled “**Embedded and Real Time Systems Using Arduino**” organized by Department of ECE, Kings College of Engineering, Pudukkottai, from 08-06-2020 to 10-06-2020.

Coordinators Mrs.D.Vennila, AP/ ECE Mrs.U.Jeyamalar, AP/ ECE Mrs.P.Thirumagal, AP/ECE	HOD Mrs.N.Mangaiyarkarasi	Principal Dr.J.Arputha Vijaya Selvi
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Certificate ID:ERTS_005 This is an electronically generated certificate and hence does not need any signature