



Rajarajeswari College of Engineering

(An Autonomous Institute, Affiliated Visvesvaraya Technological University, Belagavi ,
Approved by AICTE, UGC & GoK, Accredited by ISO 9001-2015 Certified Institution)
Sponsored by: MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST



Department of Robotics and Automation

Report on “One Day Workshop on Advance Training on LabView”

NAME OF THE DEPARTMENT: Department of Robotics and Automation

1. Type Event : **One Day Workshop on Advance Training on LabView”**

2. Venue : Arya Bhatta Seminar Hall & VLSI Lab ECE Dept.

3. Time : 9:00 am to 4:30 pm

4. Chief Guest : Dr. Ravikumar A.V,
Associate Professor
Chief Coordinator of the LabVIEW Academy
SJB Institute of Technology, Bangalore

5. Staff Co Ordinators : Dr. M. Karthikeyan,
Professor and Head
Department of Robotics and Automation
RajaRajeswari College of Engineering

Dr. Radhakrishna R K
Associate. Professor
Department of Robotics and Automation Engineering
RajaRajeswari College of Engineering

Prof. Manasa G
Assistant Professor
Department of Robotics and Automation Engineering
RajaRajeswari College of Engineering

6. Dates of the programmed: Friday 28th June 2024.

7. Students attended : 3rd year students of R&A Department



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8. Outcome of the programme:

Students gained information about the following:

Key LabVIEW Modules

1. Base Package

- **Graphical Programming:** Uses block diagrams and flowcharts.
- **Data Acquisition (DAQ):** Interfaces with hardware to collect data.

2. LabVIEW Real-Time Module

- **Real-Time Systems:** Develops deterministic and reliable applications for real-time hardware.

3. LabVIEW FPGA Module

- **FPGA Programming:** Allows programming of Field-Programmable Gate Arrays for high-speed control and processing.

4. LabVIEW Vision Development Module

- **Image Processing:** Provides tools for image acquisition, processing, and analysis.

5. LabVIEW Control Design and Simulation Module

- **System Modeling:** Enables modeling, simulation, and control of dynamic systems.

6. LabVIEW DSC (Datalogging and Supervisory Control) Module

- **SCADA Systems:** Supports large-scale monitoring and control applications.

7. LabVIEW Robotics Module

- **Robotics Applications:** Provides tools for designing and deploying robotic systems.

8. LabVIEW Sound and Vibration Toolkit

- **Signal Processing:** Analyzes sound and vibration data for various applications.



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Fig. 1. Resource person Dr. Ravikumar A.V and HODs of Dr.M.Karthikeyan, HOD RA, Dr C Ramesh, HOD ME, Dr.L.Rangaih, ECE and Dr.Radhakrihna RK, Program coordinator on the dias



Fig. 2. Resource person Dr. Ravikumar A.V addressing the gathering

Campus: #14, Ramohalli Cross, Kumbalgotu, Mysore Road, Bengaluru – 560074

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Email Id: hodra@rrce.org

Website: <https://www.rrce.org>



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Fig. 3. Dr. Ravikumar A.V , Resource person is honoured by all HODs and the coordinator

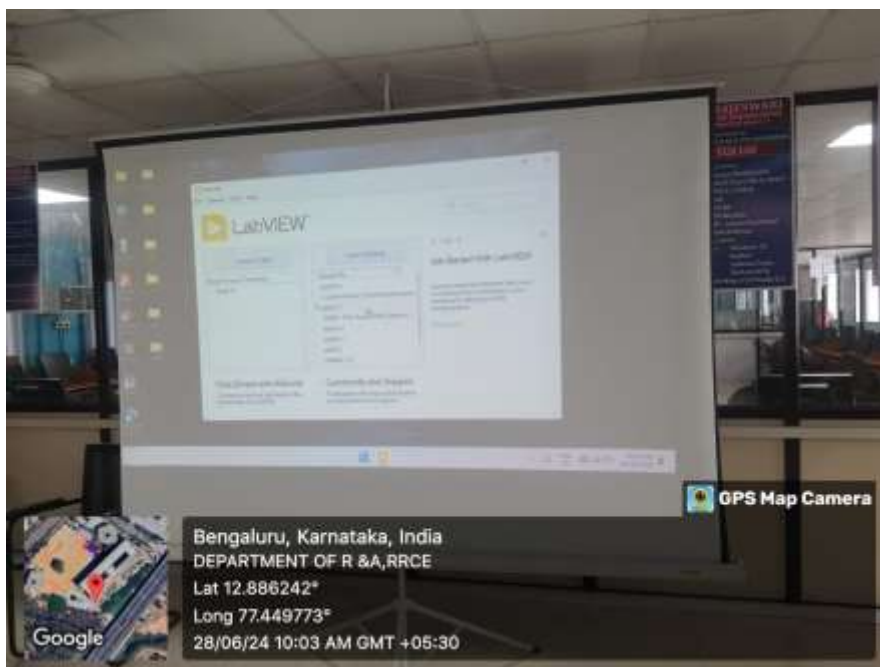


Fig 4. LabView Software training session



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Fig 5. Resource person Dr. Ravikumar A.V teaching and training the students of 3rd year students RA Department about LabVIEW



Fig 6. Resource person Dr. Ravikumar A.V with the HOD RA, Coordinators and the students of 3rd year students RA Department.

**-Report prepared by Dr.M.Karthikeyan, HOD-R&A
Dr. Radhakrishna R K, Dept of R&A**

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1. Type of Event and Topic: One Day Workshop on Advance Training on LabView
2. Speaker : Dr.Ravikumar,
Associate Professor and Chief Coordinator
SJB Institute of Technology
Bengaluru
3. Date of the programme : Friday, 28th May 2024

Sl No	USN	Name of the Students	FN-9 to Sign 11:30	AN 12:00 to Sign 4:30
1	1RR21RA/001	ASBIN DONY A	Asbin	Asbin
2	1RR21RA002	BALASARAVANA S	Bala	Bala
3	1RR21RA003	BHUMIKA H S	Bhukha	Bhukha
4	1RR21RA004	CHARANKUMAR K R	AB	AB
5	1RR21RA005	DEVARAJU	Devaraju	Devaraju
6	1RR21RA006	HAFSA FATHIMA	Hafsa	Hafsa
7	1RR21RA007	HARSHA A V	Harsha	Harsha
8	1RR21RA008	HEMANTH K	Hemantk	Hemantk
9	1RR21RA009	JEEVIKA D K	Jeevika	Jeevika
10	1RR21RA010	KEERTHI M R	Keerthi	Keerthi
11	1RR21RA011	LOHITH M R	AB	AB
12	1RR21RA012	MOHAMMED HAROON K	Mohammed	Mohammed
13	1RR21RA013	MOHAN L	AB	AB
14	1RR21RA014	MOHAN M K	Mohans	Mohans
15	1RR21RA015	NAVEEN KUMAR S N	Naveen Kumar	Naveen Kumar
16	1RR21RA016	NISANKA MANSI C	AB	AB
17	1RR21RA017	NITHASHREE L	Nitha	Nitha
18	1RR21RA018	NITHYA B	Nithya	Nithya
19	1RR21RA019	SAMVRUDH N	Samvrudh	Samvrudh
20	1RR21RA020	SUHAS S VASISHTA	Suhas	Suhas
21	1RR21RA021	TRISIT PAUL	Paul	Paul
22	1RR21RA022	VIHA TRUPTHI S PANDIT	Viha	Viha
23	1RR21RA400	NITHIN K	Nithin	Nithin
24	1RR21RA401	VENUGOPAL P	Venugopal	Venugopal
25	1RR21RA402	VITTHESH R R	Vitthesh	Vitthesh

Manoja.G
Staff Incharge
28/5/24

M. H. M. 29/6/24

Professor & Head
Dept. of Robotics and Automation Engg
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