



2017-2018

VESIT- NI LABVIEW Academy

LabVIEW Core 1 and Core 2 course

Coordinator: Mrs. Kanchan Chavan

Instructors: Mrs. Kanchan Chavan, Mr. Kader Shaikh, Mrs. Sangeeta Ram

Prepared By: Mrs. Kanchan Chavan

Under NI LabVIEW academy in collaboration with National Instruments (USA), training programme on "LabVIEW Core1 and Core2 course" was conducted from 11th July to 17th July 2017. 18 Students participated in this course.

Final year instrumentation VESIT - 16 students and other engineering colleges – 2 students

The course contents are-

LabVIEW Programming Environment: components of LabVIEW, data flow, Troubleshooting and debugging VI, Implementing a VI: Data Types, documenting code, while, for loops, Timing a VI, iterative data transfer, plotting data, structures, relating data: arrays, clusters and type definition, common design techniques and patterns: sequential programming, state machines architectures, events, timing a design pattern and event programming, Data management techniques: Communicating among multiple loops: variables, functional global variable, rare condition, synchronizing data transfer, File I/O techniques: Low high and advanced, Data Acquisition and interfacing instruments: hardware setup, software, measuring analog input, generating analog output, instrument control: using GPIB, serial port, software architecture, Instrument I/O assistant, Visa and instrument drivers.

Kanchan
18-7-17
Mrs. Kanchan Chavan
Course Co-ordinator

P. P. Vaidya
Dr. P. P. Vaidya
HOD, Instrumentation Dept



VESIT-NI LabVIEW Academy

LabVIEW course : Core 1 & Core2

11th -17th July, 2017

| Sr. No. | | 11 th July 17 | 12 th July 17 | 13 th July 17 | 14 th July 17 | 15 th July 17 | 17 th July 17 |
|---------|---------------|---|---------------------------|--|---------------------------------|-------------------------------------|--|
| 1 | 8.30-9.30am | Navigating LabVIEW --(KC) | Relating Data --(KS) | Managing Resources (KS) | Common Design Techniques(KC) | Event Programming (KS) | File I/O Techniques (KC) |
| | 9.30-9.45am | BREAK | | | | | |
| 2 | 9.45-10.45am | Navigating LabVIEW (KC) | Relating Data --(KS) | Managing Resources (KS) | Common Design Techniques (KC) | Event Programming (KS) | File I/O techniques (KC) |
| 3 | 10.45-11.45am | Troubleshooting & Debugging VIs --(KC) | Relating Data --(KS) | Managing Resources (KS) | Common Design Techniques (KC) | Error Handling (KC) | Improving an Existing VI (KC) |
| 4 | 11.45-12.45pm | Troubleshooting & Debugging VIs --(KC) | Relating Data --(KS) | Common Design Techniques and Patterns (KS) | Synchronisation Techniques (KS) | Error Handling (KC) | Creating & Distribution application (KC) |
| | 12.45-1.15pm | BREAK | | | | | |
| 5 | 1.15-2.15pm | Implementing a VI --(KC) | Modular application (SPR) | Common Design Techniques & Patterns (KS) | Synchronisation Techniques (KS) | Controlling the User Interface (KC) | Creating & Distribution application (KC) |
| 6 | 2.15-3.15pm | Implementing a VI --(KC) | Modular application (SPR) | Using Variables (KS) | Event Programming (KS) | Controlling the User Interface (KC) | |
| 7 | 3.15-4.15pm | Implementing a VI --(KC) | Managing Resources (KS) | Using Variables (KS) | Event Programming (KS) | Controlling the User Interface (KC) | |



VES Institute of Technology

Department of Instrumentation

NI LabVIEW Academy

11th to 17th July, 2017

| Sr No | Name | Sign | | | | | |
|-------|---------------------|----------|----------|----------|----------|----------|---------------------|
| | | 11/07/17 | 12/07/17 | 13/07/17 | 14/07/17 | 15/07/17 | 17/07/17 16/7/17 |
| 1 | Omkar Y. Kulkarni | | | | | | |
| 2 | Sonu R. Pival | | | | | | |
| 3 | Madhura R. Nikale | | | | | | |
| 4 | Vidya N. Mehetre | | | | | | |
| 5 | Anjana Manoj | | | | | | |
| 6 | Nitin Pandita | | | | | | |
| 7 | Amali Patil | | | | | | |
| 8 | Shantanu R. Pawar | | | | | | |
| 9 | Ansh Tulsyan | | | | | | |
| 10 | Pawan Bhatta | | | | | | |
| 11 | Divyesh Jain | | | | | | |
| 12 | Mayuresh Joag | | | | | | |
| 13 | Saket Ghule | | | | | | |
| 14 | YASH DABHOLE | | | | | | |
| 15 | Aniket Chavan | | | | | | |
| 16 | Mohak Bhangale | | | | | | |
| 17 | Aditya Chandorkar | | | | | | |
| 18 | Nirnay Wankhede | | | | | | |
| 19 | Kidya Me | | | | | | |
| 20 | | | | | | | |



Sheet I

N1 Lab View Academy

Students Details

| Sr.No. | Name | Email id | Mobile No. |
|--------|--------------------------|------------------------------|------------|
| 1 | Sonu R.Pival | sonupival@gmail.com | 9664277940 |
| 2 | Omakar Yashwant Kulkarni | omkar.kul03@gmail.com | 9619504349 |
| 3 | Vidya N.Mahatre | vidya.mahatre@ves.ac.in | 8805407818 |
| 4 | Madhura R.Nikale | madhura.nikal@gmail.com | 8149277073 |
| 5 | Anjana Manoj | anjanam96@gmail.com | 9004068334 |
| 6 | Nita Pandita | nitapandita009@gmail.com | 9619158437 |
| 7 | Ansh Tulsyan | ansh.tulsyan@ves.ac.in | 9321601971 |
| 8 | Anjali Patil | anjaliPatil366@gmail.com | 9767724893 |
| 9 | Mayuresh Joag | mayuresh.joag@ves.ac.in | 9767724893 |
| 10 | Divyes.S.Jain | divyesjain@ves.ac.in | 9833193217 |
| 11 | Pawar Shantanu Rajendra | shantanu.pawar@ves.ac.in | 8551018460 |
| 12 | Pawan Bhatla | pawankumar.bhatala@ves.ac.in | 9167072940 |
| 13 | Sanket Ghule | sanketghule@ves.ac.in | 9405783303 |
| 14 | Yash Dabhole | yash.dabhole@gmail.com | 9820472090 |
| 15 | Nirnay Wankhede | nirnaywankhede@ves.ac.in | 9665496684 |
| 16 | Aditya Chandorkar | adityachandorkar58@gmail.com | 8390797152 |
| 17 | Aniket Chavan | aniket.a.chavan@ves.ac.in | 7507104793 |
| 18 | Mohak Vidyadhar Bhangale | mohakbhangale@gmail.com | 9920757167 |

Kehavar

P.P.Vaidya

