

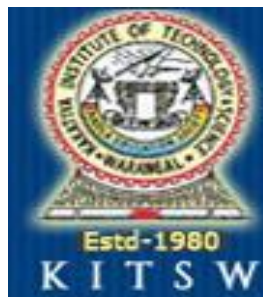
DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

(Established: 1981)

Report on

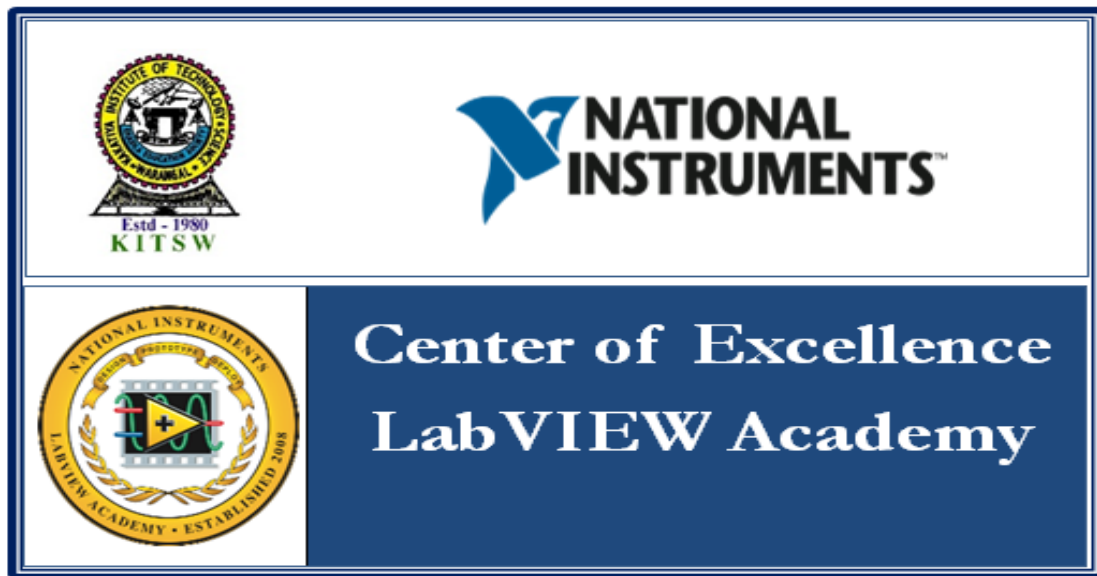
Center of Excellence - NI LabVIEW Academy

(In collaboration with National Instruments, Bengaluru)



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE: WARANGAL - 15

(An Autonomous Institute under Kakatiya University, Warangal)



Objectives of NI – Center of Excellence “LabVIEW Academy” at KITSW

The key objectives of the center are to:

- Train the students on LabVIEW platform as per the NI stipulated curriculum
- Make the students ready to take up certificate examinations
- Conduct online LabVIEW certification examinations
- Help students to carry out their mini and major projects in various domains using LabVIEW platform
- Train faculty members on LabVIEW platform, and thereby they can use the platform for their research work
- Conduct FDPs / Workshops / Seminars for the benefit of faculty and students

Key Benefits of NI LabVIEW Academy at KITS-W Campus

To Students:

- NI will recognize KITS-W as authorized Training and Certification centre to conduct LabVIEW Core 1 & 2 courses at campus for the internal and external students
- With the establishment of NI Academy, KITS-W can conduct LabVIEW Certification courses and Return on investment can be met over a period of time
- After the successful completion of the course, KITS-W can issue participation certificate with NI logo to the participants

- NI offers free CLAD exam to KITS-W faculty for first attempt which is worth of \$150 per person
- NI offers 70% discount on CLAD exam fees for KITS-W students which is cost around INR 2000/- per head (after the discount) + GST as applicable
- NI will conduct Faculty Development Program at KITS-W for duration of two days on recent technology trends in Virtual Instrumentation & Graphical System Design.
- Students of KITS-W can use the facilities of LabVIEW Academy and build their final year project inside the campus
- Students of KITS-W can participate in NI national & International contests like NIYANTRA, Global Student Design Contest, FIRST Robotics, FRC, FLL, WRO etc...
- The same facility can be extended to provide consultancy for Small and Medium enterprises (SMEs)

To Faculty:

- Teaching engineering with more practical way and industry standard technology
- Completion of PhD using the NI LabVIEW Academy Centre facility
- Publications in National & International journals
- Joint proposal submission to funding agencies in association with NI technology
- Revenue generation by doing training & Consultancy

To Institute:

- NI Authorized LabVIEW Academy School
- NI Logo in the Participation Certificate
- MoU between National Instruments & Institute
- Institute name in flagship award winning website of NI and global recognition
- Transforming to Research and Development and industry collaboration
- Recognition with NAAC, NBA, ABET accreditation
- Multiple depts. (ECE, EEE, ICE, MECH, CIVIL, CSE, IT) can use the facility of Academy
- Career development and job opportunity through community

Long term Support:

- NI will train the group of faculties & Students (10 + 30) for the duration of five days free of cost on each module as per the CDP chart and make it sure the academy will be self-sustained to run the courses and projects to students.
- Additional training will be on payment basis which will be decided mutually

COMPETENCE DEVELOPMENT PROGRAM					
II Year		III Year		IV Year	
Circuit Branch (ECE / EEE / EIE / ICE)	Non Circuit Branch (MECH / AERO / CIVIL / AUTO)	Circuit Branch (ECE / EEE / EIE / ICE)	Non Circuit Branch (MECH / AERO / CIVIL / AUTO)	Circuit Branch (ECE / EEE / EIE / ICE)	Non Circuit Branch (MECH / AERO / CIVIL / AUTO)
Semester III	Semester III	Semester V	Semester V	Semester VII	Semester VII
Topic: NI LabVIEW Graphical Programming	Topic: NI LabVIEW Graphical Programming	Topic: NI Real Time and FPGA Implementation	Topic: NI Real Time and FPGA Implementation	Topic: (any one) * Communication Embedded * Bio Medical * DIP * Controls	Topic: (any one) * Robotics * Automation * MCM / NVH * DIP * IC Engine
Duration: 40 Hours	Duration: 40 Hours	Duration: 40 Hours	Duration: 40 Hours	Duration: 40 Hours	Duration: 40 Hours
Syllabus: Attached	Syllabus: Attached	Syllabus: Attached	Syllabus: Attached	Syllabus: Attached	Syllabus: Attached
Semester IV	Semester IV	Semester VI	Semester VI	Semester VIII	Semester VIII
Topic: Electronic Circuit Simulation & Data Acquisition & Signal Conditioning	Topic: Electronic Circuit Simulation & Data Acquisition & Signal Conditioning	Topic: NI CLAD (Certified LabVIEW Associate Developer) exam	Topic: NI CLAD (Certified LabVIEW Associate Developer) exam	Final Real Time Project	Final Real Time Project
Duration: 40 Hours	Duration: 40 Hours	Duration: 40 Hours	Duration: 40 Hours	Duration: 12 Weeks	Duration: 12 Weeks
Syllabus: Attached	Syllabus: Attached	Syllabus: Attached	Syllabus: Attached	Topics: Attached	Topics: Attached



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

(An Autonomous Institute under Kakatiya University)

WARANGAL - 506 015

National Instruments Center of Excellency

"LabVIEW Academy"

Pre-requisites
Participants should be familiar with the fundamental knowledge on computer and enthusiastic to innovate new concepts / ideas

Audience
B. Tech - Any Branch
M. Tech Any Branch

LabVIEW Programme
Duration : 40 Hours per Core
Batch Size : 30 Students
Course Fee : Rs. 1000 per Core

Organized By
LabVIEW Academy in association with National Instruments, Bengaluru

Training on LabVIEW
* Core - 1 * Core - 2 * Core - 3
* Core - 4 * Core - 5 * Core - 6

Levels of Certification
Level-I: CLAD : Certified LabVIEW Associate Developer (Core -1 & 2)
Level-II: CLD : Certified LabVIEW Developer (Core -3 & 4)
Level-III: CLA : Certified LabVIEW Architect (Core-5 & 6)

Curriculum

- LabVIEW Basics
- Virtual Instruments (VIs)
- Editing and debugging VIs
- Sub VIs
- Structures, Arrays and Clusters
- Charts and Graphs
- Data acquisition
- Settings & File I/O, Analysis
- Applications in various engineering fields
- Project developments

Contact
Sri B. Yana Mahendra Reddy, Asst. Prof., 98662725
Sri B. Kishore Sundar, Asst. Prof., 9866705225

Benefits

• International certification from NI • Meet curriculum requirements • Doing experiments beyond the curriculum • Doing in-house final / pre-final year real time projects • Students can get globally recognized certification • Opportunity to get in to core engineering industries • Competing with globally challenging students with strong engineering knowledge • Participation in National & International Conferences • 70% discount on CLAD

Department of Electronics & Instrumentation Engineering



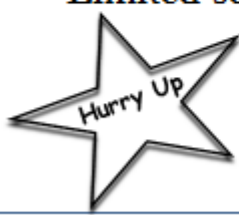
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
(An Autonomous Institute under Kakatiya University)
WARANGAL - 506 015



National Instruments Center of Excellence
“LabVIEW Academy”



- Commencement of training: 13.08.2018**
- Last date for submission of application : 09.08.2018**
- Limited seats in three batches**



For Applications and Challans Contact:

Sri B. Venu Maheswar Rao, Asst. Prof., 9885657573
Sri B. Krishna Sundeep, Asst. Prof., 8886770533

Department of Electronics & Instrumentation Engineering

Levels of National Instruments LabVIEW Certifications:

CLAD : Certified LabVIEW Associate Developer

CLD : Certified LabVIEW Developer

CLA : Certified LabVIEW Architect

Currently the center is offering training in LabVIEW Core-1 training for three batches, with an intake of 30 students in each batch.

Batch-1: Monday, Tuesday (4.00 p.m to 6.00 p.m)

Batch-2: Wednesday, Thursday (4.00 p.m to 6.00 p.m)

Batch-3: Friday, Saturday (4.00 p.m to 6.00 p.m)

For more details please contact:

Sri. B. Venu Maheswar Rao, Asst. Prof., Dept. of E&IE, Ph. 9885657573

Sri. B. Krishna Sundeep, Asst. Prof., Dept. of E&IE, Ph. 8886770533

Dr. K. Venu Madhav
Academy Co-ordinator

Dr. K. Sivani
HoD, E&IED

LabVIEW Toolkits & Modules:

LabVIEW 2017 Professional Development System

LabVIEW Control Design and Simulation Module

LabVIEW MathScript RT Module

LabVIEW LEGO® MINDSTORMS® NXT Module

LabVIEW System Identification Toolkit

LabVIEW Digital Filter Design Toolkit

LabVIEW Modulation Toolkit 4.3.3

LabVIEW Desktop Execution Trace Toolkit

LabVIEW Report Generation for Microsoft Office Toolkit

LabVIEW VI Analyzer Toolkit

LabVIEW Database Connectivity Toolkit

LabVIEW Data Finder Toolkit

LabVIEW SignalExpress 2012

LabVIEW Multicore Analysis and Sparse Matrix Toolkit

NI Vision Development Module

NI Vision Builder for Automated Inspection

NI-ELVISmx 4.4

NI-DAQmx 9.5.5

NI LabWindows™/CVI Full Development System

LabWindows/CVI Real-Time Module

LabWindows/CVI Signal Processing Toolkit 7.0.2

LabWindows/CVI Spectral Measurements Toolkit 2.6.3

LabWindows/CVI PID Toolkit 2.1

LabWindows/CVI Execution Profiler 1.0

LabWindows/CVI SQL 2.2

NI Measurement Studio Enterprise Edition

NI DIAdem Professional (English, German, and Japanese)

LabVIEW FPGA Module (English, Chinese, and Japanese)

LabVIEW FPGA Xilinx Tools 12

LabVIEW SP1 Real-Time Module

NI Real-Time Execution Trace Toolkit 2.0.5

LabVIEW Datalogging and Supervisory Control (DSC) Module

LabVIEW Robotics Module

LabVIEW Touchpanel Module

LabVIEW Simulation Interface Toolkit

LabVIEW PID Control and Fuzzy Logic Toolkit

LabVIEW Electrical Power Measurement Suite

LabVIEW Statechart Module

LabVIEW SoftMotion Module

LabVIEW GPU Toolkit 2012

NI Motion Assistant 2.8.0

NI VeriStand (*Download Only*)

LabVIEW Spectral Measurements Toolkit 2.6.3

LabVIEW Advanced Signal Processing Toolkit

LabVIEW Sound and Vibration Measurement Suite

LabVIEW Adaptive Filter Toolkit

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15

*(An Autonomous Institute under Kakatiya university, Warangal)***NI LABVIEW Students Training Details****Module -- 1****List of participants:****1) Faculty Members:**

S.No.	NAME OF FACULTY		Department	Mail ID	CONTACT
1.	Smt. R. Nirmala Devi	Assoc. Professor, Dept. of EIE	EIE	nimala123@gmail.com	9849499242
2.	Dr. K. Venu Madhav	Assoc. Professor, Dept. of EIE	EIE	kotturvenu@gmail.com	9032072025
3.	Sri B. Shashikanth	Asst. Professor, Dept. of EIE	EIE	shashiboorla@gmail.com	9490286618
4.	Sri B. Jeevan	Asst. Professor, Dept. of EIE	EIE	Jeevanbs776@gmail.com	9912155777
5.	Dr. K. Srinivas	Asst. Professor, Dept. of EIE	EIE	ksvchary@gmail.com	8985421261
6.	Sri B. Venu Maheswar Rao	Asst. Professor, Dept. of EIE	EIE	vmrs2324@gmail.com	9885657573
7.	Sri B. Krishna Sundeep	Asst. Professor, Dept. of EIE	EIE	bksundeep800@gmail.com	8886770533
8.	Sri V. Raju	Asst. Professor, Dept. of ECE	ECE	rajureddyv@gmail.com	9966000075
9.	Sri A. Pavan	Asst. Professor, Dept. of ECE	ECE	pavadm106@gmail.com	9030051591
10.	Sri Koustubh Kulkarni	Asst. Professor, Dept. of ECE	ECE	koustubkulkarni12@gmail.com	9652453098
11.	Sri K. Harish	Asst. Professor, Dept. of EEE	EEE	harishkkodarapu@gmail.com	9502012210
12.	Dr. G. Rajendra Naik	Asst. Professor, Dept. of EEE	EEE	rajendra.ksg@gmail.com	9866351508
13.	Dr. A. Madhukar Rao	Asst. Professor, Dept. of EEE	EEE	airinenimadhu@gmail.com	9963902827
14.	Sri S. Ramesh	Asst. Professor, Dept. of ME	ME	sramesh.kits@gmail.com	9949290464
15.	Dr. G. Ganesh Kumar	Assoc. Professor, Dept. of ME	ME	ganesh.gampa@gmail.com	9849502775
16.	Sri K. Srujan Varma	Asst. Professor, Dept. of CE	CE	varma.srujan7@gmail.com	8686868577

2) Students:

S.No.	Name of Student	Roll No.	Year	Mail ID	Contact
1.	B. Thejaswini Reddy	B16EI035	3-EIE	thejareddy129@gmail.com	9603024024
2.	P. Meghana	B16EI052	3-EIE	meghana.polneni@gmail.com	9133087482
3.	CH.Sai Nikhil Reddy	B16EI013	3-EIE	chnikhilreddy1999@gmail.com	9908761063
4.	Nancy Kumari	B16EI027	3-EIE	nancysm15@gmail.com	7674855764
5.	M. Revanth Kumar	B16EI015	3-EIE	revanth21004@gmail.com	8885550146
6.	J. Ramya	B17EI065L	3-EIE	jakkularamya818@gmail.com	8885310043
7.	Ch. Swanthana Srivastava	B15EI051	4-EIE	chakravartulaswanthana97@gmail.com	9550928018
8.	B. Sriram Kumar	B15EI027	4-EIE	sriramkumarpulusu@gmail.com	8919288473
9.	B. Akhila	B15EI005	4-EIE	bethi.akhila@gmail.com	8686975908
10.	P. Sravanthi	B15EI039	4-EIE	peddisravanthireddy@gmail.com	7386975375
11.	M. Anvesh Reddy	B15EI022	4-EIE	mamidalaanveshreddy@gmail.com	8096008049
12.	P. Rajesh	B15EI053	4-EIE	rajeshpoosala7@gmail.com	7673954991
13.	T. LakshmiDurga	B15EI041	4-EIE	laxmi1998durga@gmail.com	7675930850
14.	S. Nikhitha	B15EI055	4-EIE	ikhithasamudrala123@gmail.com	9505788449
15.	K. Ananya	B15EI052	4-EIE	kothuruananya380@gmail.com	9440446978
16.	M. Pavankalyan	B16EI066L	4-EIE	kalyanp855@gmail.com	6281867026
17.	S. Karthik	B16EI068L	4-EIE	sangu.karthik.skx@gmail.com	9959917197

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL – 15
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NI LABVIEW Students Training Details

Module -- 2

S.No	Roll No.	Name of the Student	Mobile No.	Email ID	Class
1	B16EI068L	S. Karthik	9959917197	sangu.karthik.skh@gmail.com	IV Year
2	B15EI030	S. Tharun	8309891587	tharunsabinikari@gmail.com	IV Year
3	B16EI066L	M. Pavan Kalyan	9951139696		IV Year
4	B15EI053	P. Rajesh	7981428151	rajeshpoosala7@gmail.com	IV Year
5	B15EI055	S. Nikhitha	9505788449	nikhithasamudrala123@gmail.com	IV Year
6	B15EI052	K. Ananya	9440446978	kothuruananya3802gmail.com	IV Year
7	B15EI041	T. Laxshmi Durga	7675930850	lakshmi1998durga@gmail.com	IV Year
8	B15EI027	B. Sriram Kumar	8919288473	sriramkumarbulusu@gmail.com	IV Year
9	B16EI035	B. Thejaswini Reddy	9603024024	thejareddy129@gmail.com	IV Year
10	BI6EI013	Ch. Sainikhil Reddy	9908761063	chnikhilreddy1999@gmail.com	III Year
11	B16EI055	V. Saipriya	9032890338	saipriyavadnala786@gmail.com	III Year
12	B16EI050	Ch. Rakshitha	9133087454	rakshitha.chinthapally@gmail.com	III Year
13	B16EI040	M. Shreya Reddy	7331124340	motheshyareddy0712@gmail.com	III Year
14	B16EI015	M. Revanth Kumar	8885550146	revanth21004@gmail.com	III Year
15	B16EI034	B. Pavani	8106568680	pavanibandi34@gmail.com	III Year
16	B16EI007	K. Sindhuja	9553935164	ksreddy2k14@gmail.com	III Year
17	B16EI018	N. Sai Sindhu Reddy	9515050406	nainisaisindhureddy@gmail.com	III Year
18	B16EI026	K.Supriya	9177862072	supriyakancheti@gmail.com	III Year
19	BI6EI027	Nancy Kumari	9885614960	nancyshm15@gmail.com	III Year
20	BI6EI028	Md. Saqlain Ghazi	8498877488	sariyaghazi@gmail.com	III Year
21	B16EI049	M. Nikhil Raj	7989743649	nikhilraj6698@gmail.com	III Year
22	B16EI044	V. Jyotheshwar	9866112275	jyotheshwar9866112275@gmail.com	III Year
23	B16EI001	N. Meghana	9440146437	meghananalla86@gmail.com	III Year
24	B16EI002	K. Himasree	7416390108	himasreekalvacharla@gmail.com	III Year
25	B16EI022	R. Pranay	9059309144	pranayravuri@gmail.com	III Year
26	B16EI038	P. Niharika	9154648570	palleniharikajsn@gmail.com	III Year
27	B17EI033	M. Sai Sathwik	8464855614	saisathwik72@gmail.com	II Year

28	B17EI047	B. Mayur Krishna	8686647357	mayurkrishnamk@gmail.com	II Year
29	B17EI035	V. Sathwik Reddy	9640660044	sathwikreddyveluri@gmail.com	II Year
30	B17EI001	M.Vishnu	8639817230	manchikitlavishnu6@gmail.com	II Year
31	B16EI021	M.Sai kiran	9849065211	saikiran.m5211@gmail.com	III Year
32	B16EI011	O. Pradeep	8919918077	pradeep3onteru@gmail.com	III Year
33	B16EI067L	J. Hema	8187809885	hemajadi96@gmail.com	IV Year

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:: WARANGAL - 15

*(An Autonomous Institute under Kakatiya university, Warangal)***NI LABVIEW Students Training Details****Module -- 3&4**

S.No	Roll No.	Name of the Student	Class
1	B16EI035	B.Thejaswini reddy	IV Year
2	BI6EI013	CH.Sainikhil reddy	IV Year
3	B16EI055	V.Saipriya	IV Year
4	B16EI050	Ch.Rakshitha	IV Year
5	B16EI040	M.Shreya Reddy	IV Year
6	B16EI015	M.Revanth kumar	IV Year
7	B16EI034	B.Pavani	IV Year
8	B16EI007	K.Sindhuja	IV Year
9	B16EI018	N.Sai Sindhu Reddy	IV Year
10	B16EI026	K.Supriya	IV Year
11	BI6EI027	Nancy kumari	IV Year
12	BI6EI028	Mohammed saqlain Ghazi	IV Year
13	B16EI049	M.Nikhil Raj	IV Year
14	B16EI044	V.Jyotheshwar	IV Year
15	B16EI001	N.Meghana	IV Year
16	B16EI002	K.Himasree	IV Year
17	B16EI022	R.Pranay	IV Year
18	B16EI011	Pradeep	IV Year
19	B16EI021	M.Sai kiran	IV Year
20	B16EI038	P.Niharika	IV Year
21	B17EI033	M.Sai Sathwik	III Year
22	B17EI047	B.Mayur Krishna	III Year
23	B17EI035	V.Sathwik Reddy	III Year
24	B17EI001	M.Vishnu	III Year

The following 6 Students, 2 staff members acquired Certified LabVIEW Associated Developer (CLAD) certificate during the academic year 2019-20

Staff Members

S.No.	Name of Participant	Designation.	Department
1	Dr.K.Srinivas	Asst.Prof	E&I Engg
2	Sri P.Suman	Lab Asst.	E&I Engg

Students

S.No.	Name of Participant	Roll No.	Year
1.	B. Thejaswini Reddy	B16EI035	3-EIE
2.	CH.Sai Nikhil Reddy	B16EI013	3-EIE
3.	V.Jyotheshwar	B16EI044	3-EIE
4.	M.Sai Sathwik	B17EI033	2-EIE
5.	M.Vishnu	B17EI001	2-EIE
6.	V.Sathwik Reddy	B17EI035	2-EIE