

About our Institution:

Kings College of Engineering (KCE) is an institution which was formed with the single aim of providing quality education to the poor and underprivileged students. KCE is approved by All India Council of Technical Education, New Delhi (AICTE) and is affiliated to Anna University, Chennai. The institution was established in the year 2001 on a sprawling campus of around 60 acres on the Thanjavur-Pudukkottai Highway and run by Raj Educational Trust (RET). The institution offers five U.G and four P.G programmes and certified with ISO 9001:2008. The state of the art teaching methodologies are used to impart high quality education to the students including e-learning.

About the Department:

The Department of Electronics and Communication Engineering was established with state of art laboratories in the year 2001. It is continuously upgrading the infrastructure and laboratory facilities with the emerging technology as per the industrial needs. The department is recognized as research center for collaborative research by Anna University, Chennai. A significant number of research projects funded by government and non-government organizations viz. DRDO, MCIT, AICTE New Delhi, TNSCST, Chennai and Texas Instruments USA have been successfully carried out.

Faculty members are encouraged to participate in the faculty development programs, workshops and seminars organized by other institutions in their research area as a step towards strengthening their domain knowledge.

LABVIEW:

LabVIEW, short for Laboratory Virtual Instrument Engineering Workbench, is a programming environment in which you create programs using a graphical notation (connecting functional nodes via wires through which data flows); in this regard, it differs from traditional programming languages like C, C++, or Java, in which you program with text.

However, LabVIEW is much more than a programming language. It is an interactive program development and execution system designed for people, like scientists and engineers, who need to program as part of their jobs.

Target Audience:

The workshop is open to Faculty Members, Students, Research Scholars and persons working in R&D Organizations and Industries.

Kings College of Engineering
Punalkulam - 613 303

LabVIEW Graphical Development Hands on Training

Registration Form

1. Name (in block letters) :
2. Qualification :
3. Designation :
4. Institution / Organization :
5. Address for Communication :
6. Phone No. / Mobile :
7. E-mail:

Signature of the applicant

Signature of the Head of the Department

Contents:

The workshop covers

- Introduction to Graphical Programming with LabVIEW
- Dataflow and the Graphical Programming Language
- How Does LabVIEW Work?
- Graphical System Design
- Hands on Training

Resource Persons:

Mrs. Ka. Suriyaprabha,
AP/ICE, AVC College of Engineering

Mr. K. Arulselvan
AP/ICE, AVC College of Engineering

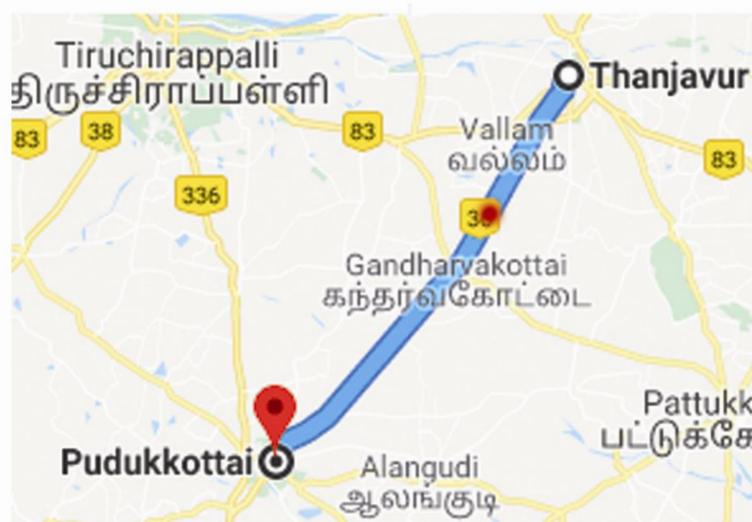
Registration fees:

Spot registration is permitted. The registration fee includes course material, lunch and refreshment.

UG/ PG Students : Rs.250/-
Faculty : Rs. 350/-

Transport:

Participants can avail the transport facilities of the college.



Chief Patrons:

Dr. R. Rajendran
Secretary

Mr. T.R.S. Muthukumaar, MBA,
Chief Executive Officer

Patron:

Dr. J. Arputha Vijaya Selvi
Principal

Co-Patron:

Dr. S. Sivakumar
Vice Principal

Convenor

Ms. N. Mangaiyarkarasi
AP/ECE (Ac. Co./ECE)

Co-ordinators:

Mr. T. Jeyaseelan
AP/ECE

Mrs. U. Jeyamalar
AP/ECE



Please mail your registration form to:

The Coordinator,
Dept. of ECE, Kings College of Engg.,
Punalkulam- 613303.
Phone : 04362 - 282474

For further information contact :

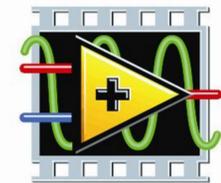
Mr. T. Jeyaseelan - 98942 73041
Mrs. U. Jeyamalar - 97914 68414



NAAC Accredited Institution

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

LabVIEW Graphical Development Hands on Training



Organised by

Dept. of ECE
and
IEEE Student Branch
Kings College of Engineering

On
12th September, 2018

@
Kings College of Engineering
Punalkulam - 613 303
website: www.kingsindia.net



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACADEMIC YEAR 2018-2019 ODD SEMESTER

REPORT

ON

LABVIEW GRAPHICAL DEVELOPMENT – HANDS ON TRAINING

DATE: 12.09.2018



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR 2018-2019 (ODD SEMESTER)**

REPORT

One Day Workshop on “LabVIEW Graphical Development – Hands on Training”

DATE: 12.09.2018

VENUE: AV HALL

Department of Electronics and Communication Engineering and IEEE Student Branch of our college organized a One Day Workshop on “**LabVIEW Graphical Development – Hands on Training**” on **12th September 2018**, where 1 faculty and 15 students from various Engineering colleges and 44 internal participants, totally 60 participants were attended and gained knowledge. The objective of the workshop is to provide Hands-on training on LabVIEW. The main objective of this workshop was to upgrade the skills of the students but it also provided a common platform to explore the use of Virtual Instrumentation and Design aspects using simulation with the help of **NI LABVIEW**. Participants learnt and practically contributed their complete effort. Students gained much more knowledge about practical implementations of LabVIEW under the guidance of our resource persons, **Mrs.Ka.Suriyaprabha, Assistant Professor/Instrumentation & Control Engineering, A.V.C. College of Engineering, Mayavaram** and **Mr.K.Arulselvan, Assistant Professor/Instrumentation & Control Engineering, A.V.C. College of Engineering, Mayavaram**.

Coordinators:

1. Mr.T.Jeyaseelan, Assistant Professor/ECE
2. Mrs.U.Jeyamalar, Assistant Professor/ECE

Inaugural Session:

The dignitaries on the Dais during the inaugural session were Mrs. N. Mangaiyarkarasi, Ac. Coordinator / ECE, Mr.T.Jeyaseelan, AP/ECE. The program was started with Thamizh Thaaai Vaazthu followed by welcome address delivered by Mr.T.Jeyaseelan, AP/ECE. Mrs. N. Mangaiyarkarasi, Ac. Coordinator / ECE, delivered the inaugural address, she briefed the technologies used in our day today life and the overview of LabVIEW in various applications. Mrs.U.Jeyamalar, AP/ECE, introduced the chief guests. After that the chief guests were honored by Mrs. N. Mangaiyarkarasi, Ac. Coordinator / ECE & Mr.T.Jeyaseelan, AP/ECE.



Dignitaries on the Dais



**Welcome address by
Mr.T.Jeyaseelan, AP/ECE**



**Inaugural address by
Mrs.N.Mangaiyarkarasi, Ac.Co/ECE**



**Chief guests introduction by
Mrs.U.Jeyamalar,AP/ECE**



**Honoring the chief guests by
Mrs.N.Mangaiyarkarasi,Ac.Co/ECE**



**Honoring the chief guests by
Mr.T.Jeyaseelan, AP/ECE**

Session 1 – Overview of LabVIEW.

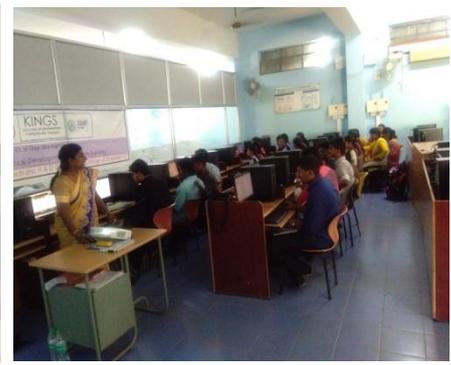
During the session, Mr.K.Arulselvan, AP/ICE, A.V.C. College of Engineering, Mayavaram, discussed brief overview of LabVIEW and its applications.



**Overview of LabVIEW by Mr.K.Arulselvan,
AP/ICE, A.V.C.C.E**



View of Participants



Hands on session by at DSP Lab

Session 2- Hands on training on LabVIEW.

The second session of workshop was planned to provide hands on experience with LabVIEW and application. Hands on training given by Mrs.Ka.Suriyaprabha, AP/ICE, A.V.C. College of Engineering, Mayavaram and Mr.K.Arulselvan, AP/ICE, A.V.C. College of Engineering, Mayavaram. Resource persons delivered a lecture about LabVIEW introduction, installation, procedure and hands on training given to the participants, participants doubts were cleared.

The following areas were covered with hands-on exposure to the software:

- Brief overview of LabVIEW and its applications.
- Mathematical operations
- Digital Logic using Boolean gates
- For Loops with various examples
- Conditional While Loops
- Signal generation
- Image processing
- Practical system examples using Case Structures.
- Implementation of higher end computation using Formula Nodes.
- Hierarchical designing using Sub-VI

Valedictory Function:

The students were actively involved in the entire sessions. The program ends with valedictory. The participants shared their feedback about the training programme. Mrs. R.Ponni, AP/ECE distributed the certificates to the participants. Mrs.U.Jeyamalar, AP/ECE delivered the vote of thanks.



**Hands on session by Mrs.Ka.Suriyaprabha,
AP/ICE, A.V.C.C.E**



Feedback given by participant



**Mrs. R.Ponni, AP/ECE issuing
certificate to the participants**

We thank the management and the Principal for their constant and continuous encouragement for providing valuable directions and support in time. Finally the program ended with National anthem.

Coordinators

1. Mr.T.Jeyaseelan, AP/ECE
2. Mrs.U.Jeyamalar, AP/ECE

Ac. Coordinator (ECE)

Principal