

BROCHURE OF VALUE ADDED COURSE 2016-17

INDEX

Sr. No.	Value added course	Page No.
1.	AAA (Arise Awake Achieve) workshop	2
2.	National Youth Day	5
3.	First Aid Training Cum Awareness Program	8
4.	Graphical Designing Using Adobe Illustrator	10
5.	An introduction to Sustainable development goals environment perspective	12
6.	LabVIEW	14
7.	CEMENT CHEMISTRY	16
8.	ADVANCED TOPICS IN CHEMISTRY	17
9.	AUTOMATION: PLC & SCADA	18
10.	Advances in Mathematics and Computing	19
11.	Computational Techniques in Physics	20

**YMCA, University of Science and Technology
Faridabad**



(A Haryana State Government University)

Accredited 'A' grade By NAAC



VIVEKANAND MANCH

Value Added Course On

3 A WORKSHOP

15 September-2016 - 17 September- 2016

Patron

Prof. Dinesh Kumar
Vice Chancellor

Programme Chair

Dr. Pradeep Dimri
Asst. Prof.
Electronics Engineering

Advisor

Abhishek Saroha
Sumedha Saini
Divyansh
Harsh Rohilla

Guest Speaker

Ms. Alka Gauri ji

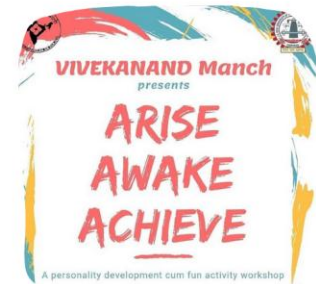
About YMCAUST, Faridabad

YMCAUST has been in existence for the past 49 years and consistently contributing towards creation of competent engineering professionals and entrepreneurs. The competence of the university has been recognized at various levels by the agencies like UGC (grant of 12B status), accreditation (NAAC Grade 'A'), NIRF (best ranking amongst State Engineering Universities in Haryana), etc.

Address For Communication

Dr. Pradeep Dimri
Assistant Professor
YMCAUST, Faridabad
Tel: +919968433183

3 Days Value Added Course



Organised By:

Vivekanand Manch
YMCA University
of Science and Technology,
YMCA



Objective

Objective of workshop is inculcate good skills and teaching team work through different activities and to raise the intellectual and multidimensional development of students. . At the end of the workshop students will have the knowledge about team work and other things that will help them in their life

Events

- Expert lecture by Sh. Alka Gauri ji (VIVEKANAND KENDRA)
- Skit
- Slogan writing
- Words of Wisdom
- Valedictory Ceremony

Speaker

Ms. Alka Gauri ji

Important Dates

Last date for submission of registration form: September 14, 2016
Inauguration: September 15,2016
Valedictory Ceremony: September 17, 2016

Registration

The program is interdisciplinary and is open for all students from different universities. There is no registration fees for the events

AAA- ARISE AWAKE
ACHIEVE Workshop

Registration Form

1. Name:_____
2. Designation:_____
3. Gender:_____
4. Date of Birth:_____
5. Category of participation:_____
6. Organization:_____
7. Address:_____
8. Email:_____
9. Contact No. :_____

Date: **Signature of applicant:**

Interested candidates can pre-register by sending the filled application by e-mail

**YMCA University of Science and Technology
Faridabad**

(A Haryana State Government University)



Accredited 'A' grade By NAAC



VIVEKANAND MANACH

Value Added Course On

National Youth Day

9 January-2017 - 12 January- 2017

Patron

Prof. Dinesh Kumar
Vice Chancellor

Programme Chair

Dr. Pradeep Dimri
Asst. Prof. Electronics
Engineering

Advisor

Vinit Jindal
Abhinandan Garg
Gautam Goyal
Amandeep Saini

Guest Speaker

Dr.J L Dwivedi

About YMCAUST, Faridabad

YMCAUST, has been in existence for the past 49 years and consistently contributing towards creation of competent engineering professionals and entrepreneurs. The competence of the university has been recognized at various levels by the agencies like UGC (grant of 12B status), accreditation (NAAC Grade 'A'), NIRF (best ranking amongst State Engineering Universities in Haryana), etc.

Address For Communication

Dr. Pradeep Dimri
Assistant Professor
YMCAUST, Faridabad
Tel: +919968433183

40 Hours Value Added
Course On

NATIONAL YOUTH Day

Organised By:
Vivekanand Manch
YMCA University
of Science and Technology



Objective

The main objective behind the celebration is to propagate the philosophy and the ideals of Swami Vivekananda

Events

- Inauguration Ceremony
- Quiz
- Article Writing
- Poster Making Competition
- Expert Lecture
- Valedictory Ceremony

Speaker

Dr.NC WAdhwa

Registration

The program is interdisciplinary and is open for all students from different universities. There is no registration fees for the events

Important Dates

Last date for submission of registration form: January 8,2016
Inauguration:January 9,2016
Valedictory Ceremony:January 12,2016

Youth Day Celebration

Registration Form

1. Name:_____
2. Designation:_____
3. Gender:_____
4. Date of Birth:_____
5. Category of participation:_____
6. Organization:_____
7. Address:_____
8. Email:_____
9. Contact No. :_____

Date:

Signature of
applicant:

Interested candidates can pre-register by sending the filled application by e-mail



YMCA UNIVERSITY OF SCIENCE &
TECHNOLOGY, FARIDABAD

Value Added Course

on

**First Aid Training Cum
Awareness Program
(1st to 6th August 2016)**

Organized by

Youth Red Cross Cell



**YMCA University of Science and
Technology,
Sector 6, Faridabad, 121006 (Haryana)**

Patron

**Prof. (Dr.) Dinesh Kumar (Vice-
Chancellor), YMCA University of
Science and Technology, YMCA,
Faridabad**

Speaker & Workshop Trainer

**Mr. Darshan Bhatia
(Motivational Speaker and First Aid
Trainer)**

Coordinators

**Mr. Sushil Panwar
YRC Programme Coordinator
Department of Computer Engineering
YMCA University of Science
and Technology, YMCA, Faridabad**

Dr. Sonia Bansal

**Deputy Dean Student Welfare
YMCA University of Science and
Technology, Faridabad**

Email id : yrcjcbust@gmail.com

Social Media

**Instagram: @yrc.jcbust
Facebook: yrcjcbust
Youtube: yrcjcbust**

Venue:

**Auditorium,
6 hours daily from 1st to 6th August
2016.**

REGISTRATION FORM LINK:

<https://forms.gle/bZ8yuSgvL3QVLZ2A7>



About YMCAUST, Faridabad

YMCA University of Science and Technology has been in existence for the past 48 years and consistently been contributing towards creation of competent engineering professionals and entrepreneurs. An Institution that had a humble beginning as a post diploma institution and famous for generating skilled technical human resource for the industry has been elevated in 2009 as University of Science and Technology to further create competent human resource in diversified areas of Science & Technology. The competence of the University has been recognized at various levels by the agencies like UGC (grant of 12B status), accreditation (NAAC Grade 'A'), NIRF (best ranking amongst State Engineering Universities in Haryana), etc.

The University offers B.Tech Degree courses in Electronics and Communication Engg., Instrumentation and Control Engg., Computer Engg., Information technology, Electrical Engg., Mechanical Engg. and Civil Engineering.

The university has also added new chapters in its glorious history i.e. BBA, MBA, BCA, MCA, M.Tech, B.Sc., M.Sc. (Physics, Maths, Chemistry & Environmental Sciences), M.A. (Mass Communication and Journalism) and Ph.D in various disciplines.

Moving ahead on the path of excellence, the University is ready to effectively take up the forthcoming challenges in diversified domains. To accomplish this, new courses are being added and new facilities are being developed on continuous basis. Inculcation of ethical and moral values among youth is one of our prime concerns.

About Youth Red Cross

IRCS launched Youth Program in 2015 with the support of ICRC in around 88 school/colleges, 44 communities from 22 districts in 11 State Branches [Maharashtra, Gujarat, Andhra Pradesh, Tamil Nadu, Odisha, Chhattisgarh, Assam, Manipur, Nagaland, Meghalaya, West Bengal]. The program has three

key objectives –

- To enhance the understanding about the Red Cross Red Crescent Movement & its Fundamental Principles and promote peace and harmony among the youth and the selected communities.
- To strengthen the capacity of the YRC in the area of Hygiene Promotion, Household Water Treatment, Basic First Aid and Promoting Peace and harmony.
- To contribute towards increasing the awareness of and behavioral changes in the selected communities on Hygiene Promotion, Household Water Treatment and basic First Aid.

IRCS-ICRC youth program is also considering an intensive - youth led community based interventions - component added to the J/YRC level activities.

About the VAC

The Indian Red Cross Society (IRCS) is a part of the International Red Cross and Red Crescent Movement. One of the most common activities that all national societies perform is first aid training and providing first aid cover.

Today, First Aid is one of the core and crucial activities of the IRCS. This is the main strength of the Red Cross and Red Crescent Movement. The National Headquarters is regularly organizing workshops & trainings in basic FA with the aim to update the volunteers in the latest trends in this field thus contributing to strengthen the capacities of IRCS FA trainers. It helps to build up the capacity of the IRCS Branches in India to respond to humanitarian needs both in emergencies and in day to day support of the most vulnerable

people. The trained personnel are deployed in local, national and international emergencies as and when needed.

First Aid Training in NHQ : The National Headquarters with the help of funding agencies, All India Institute of Medical Sciences (AIIMS), Delhi and Magen David Adom (MDA), Israel conducted 03 First Aid trainings in National Headquarters, Delhi to create master trainers. The trainees were selected from all parts of India.

Apart from these the National Headquarter also organizes meetings and trainings two to three times in a year for focal persons / FA coordinators and other support staff at Headquarters, Delhi.

Participation

The program is interdisciplinary and is open to students from university/Institute/Engg. College/ other colleges, participants.

At the end of the course, participants will be able to:

- To gain the knowledge about Red Cross and its role and activities..
- The volunteers able to understand the capacity of the YRC in the area of Hygiene Promotion, Household Water Treatment, Basic First Aid and Promoting Peace and harmony.
- The student volunteers are able to contribute towards increasing the awareness and behavioural changes in the selected communities on Hygiene Promotion,

IMPORTANT DATES

Last date for Registration: 31st July, 2016

Inauguration of VAC: 1st August 2016
9.30AM

Valedictory Session: 6th August 2016
2.30 PM

 **YMCA University of Science and Technology, Faridabad**



IEEE SB Club
Organizing
Value added course
Graphical Designing Using Adobe Illustrator
8th -13th March 2017

Name: _____

Roll No: _____

Department: _____

Branch: _____

Institution: _____

Years of Experience: _____

Area of Interest: _____

Address: _____

Mobile No.: _____

Email: _____

Website - www.ymcaust.ac.in

Date: _____

(Late date to apply: 1st 2017)

Applicant's Signature

YMCA University of Science and Technology, Faridabad
IEEE SB Club

Organizing
Value added course
Graphical Designing Using Adobe Illustrator
8th -13th March 2017



(Registrations are open for all Branches)

Coordinator

Dr. Sonia Bansal

Mobile no: 9013162800

Email: soniabansal@ymcaust.ac.in

Student Coordinators

Ms. Saumya Rastogi-8800126313

YMCA University of Science and Technology, Faridabad

Sector 6, NH-2, Mathura Road

Website - www.ymcaust.ac.in

About the YMCA University of Science and Technology, Faridabad

YMCA University of Science and Technology, Faridabad has been accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade and a CGPA of 3.08 in the First Cycle of Accreditation. YMCAUST was established in 1969 as an indo-German project, a joint venture of the National Council of YMCA India, the Government of Haryana and the Central Agencies for Development Aid, Bonn, Germany. In December 2009 it was awarded the status of state university by the State Government. Right from the very beginning at institutional level, it has emphasized greatly on practical work related to industry. As a result our students are well accepted by the industries. Many of them are entrepreneur with names of repute at national and international level establishes the same. The university has also added new chapters in its glorious history i.e. MBA, MCA, M.Tech (Computer Engineering, Electrical Engineering, Electronics Engineering & Mechanical Engineering), M.Sc (Physics, Maths, Chemistry & Environmental Sciences), M.A. (Mass Communication and Journalism), B.Sc (Physics) and Ph.D.

About the Dean Student Welfare

The office of the Dean Students' Welfare (DSW) is a student care center that serves as a relationship between students and administration. It covers all facets of the student's life at JCBose University of Science and Technology, Faridabad, whether it is

a hostel life or life at play ground or life in classes. In general, it works towards the welfare and well-being of the students in the campus, so that a healthy environment is created for all round personality growth of the students. DSW closely works with students across all years to provide leadership, social, extracurricular and academic counselling programmes. Student Welfare department tries to nurture students' mental, physical, cultural growth with various activities to improve their overall personality development and to make them civilized Indian citizens to compete in the globalized world. To support the University's educational goals to enhance or address aspects of the entire student experience, the Office of Student Welfare has a professionally trained team to help students through the unanticipated problems that sometimes comes in their way. To accomplish this, University has student's clubs like Nataraja, Srijan, Ananya, Vividha, Jhalak, , Tarannum, Vivekanand Manch, Microbird, Manan, Mechnext, Samarpan, IEEE, SAE Collegiate Club, Eklavya, YRC that organizes different activities are undertaken for all round personality growth of the students.

About the IEEE SB, YMCA, Society

IEEE YMCA SB is a student branch of renowned International technical and professional organisation IEEE. The YMCA Student Branch was founded in 2016 with the objective of providing students, the exposure and knowledge about various technologies and opportunities to work, learn and grow. Its main target is to try and test the new technologies and improve them.

Solving real life problems in an innovative manner, is what that makes us real engineers. With

this goal, IEEE YMCA SB always intends to work

Prof. Dinesh Kumar
(ViceChancellor, YMCAUST)

Prof. S. K Aggarwal
(Dean Student Welfare, YMCAUST)

Dr. Munish Vashistha
(Advisor, IEEE SB, YMCAUST)

Dr. Sonia Bansal
(Deputy Dean Student Welfare,
YMCAUST)

About the Program:

Through this course, participants are able to learn how to create high quality illustrations, logos and other custom artwork by hands-on training in Adobe Illustrator, the industry standard vector graphics software application. Adobe Illustrator is an essential, versatile tool for millions of graphic designers, digital media artists and marketing professionals, facilitating complex design from concept to finished piece. After a foundation in design principles, Illustrator's fundamental Pen tool, then progress to transforming shapes and drawing and colouring objects, as well as utilising Illustrator's powerful functions to create a wide array of special effects, striking typography and complex artwork will be best part of the course.

Objectives of Program:

The learning objectives of the course are as follows:

- ✓ Graphical posters Design
- ✓ Logo Designing
- ✓ Front End Website Development
- ✓ App User Interface Development
- ✓ Cartoon Character Designing

on problem based projects like Blind Navigation Stick, Wheelchair Fallen Detection, Home Automation, Firefighting Robot and many others. Besides these, we had worked on various recreational projects like Maze Runner, Virtual Orchestra, Masterpiece, Hit The Lights and Wireless Lamps.

Target Participants

We welcome all the students of University to be a part of learning the electronics, designing, coding in depth both at knowledge level, practical in mind and values.

Registration Form (As per prescribed format) Application should be made on the registration form in the prescribed format only. Brochure with registration form can also be downloaded from the university website: www.ymcaust.ac.in.

Candidates are required to send the scanned copy of prescribed registration form at rastogi.saumya2@gmail.com on or before 1st March 2017. (Original Registration Form duly completed has to be submitted on registration desk at the time of reporting)

Fee There is no registration fee for participating in this course. Important Dates
Last date of Registration: 1st March 2017
Intimation of Confirmation: 5th March 2017
For any Query please contact:

Ms. Saumya Rastogi-8800126313

VALUE ADDED COURSE

on

'AN INTRODUCTION TO SUSTAINABLE DEVELOPMENT GOALS – ENVIRONMENT PERSPECTIVE'

(26th September – 22nd October 2016)

ORGANIZED BY



Department of Humanities & Sciences
YMCA University of Science & Technology
Sector 6, Mathura Road, NH-2,
Faridabad (Haryana) 121006

YMCA UNIVERSITY OF SCIENCE AND TECHNOLOGY, FARIDABAD

The YMCA University of Science and Technology, erstwhile, 'YMCA Institute of Engineering, Faridabad' was established in the year 1969, as a joint venture of the National Council of YMCAs of India, Govt of Haryana and the Central Agencies for Development Aid, Bonn, Germany. The Institute has been granted University status since 1st Dec., 2009. YMCAUST has been conferred "Best Upcoming University" award by Associated Chamber of Commerce and Industry of India in Feb. 2014 under National Education Excellence Awards 2014.

The University offers B.Tech. degree course in six disciplines i.e Information Technology, Computers, Electronics Communication, Electronics Instrumentation Control, Mechanical & Electrical Engineering and Post Graduate Degree courses like M.Tech., M.Sc., MBA, MCA and Ph.D. The flexible, wide and dynamic curriculum has led to the development of various branches of technology as per interest of students.

DEPARTMENT OF HUMANITIES AND SCIENCES

Humanities and Sciences Department is one of the strong pillars of the University, which provides fundamental education in basic sciences, management, economics and humanities to the students, so that they are well equipped to understand engineering and technology.

The post graduate courses being run in the department are M.Sc. Physics, M.Sc. Mathematics, M.Sc. Chemistry, M.Sc. Environmental Sciences and MA Journalism & Mass communication. The department also offers Doctorate degree in Physics, Mathematics, English and Environmental Sciences.

ABOUT THE PROGRAMME

Sustainable development is the process of developing land, cities and communities as well as businesses, so that they meet the need of present generation without compromising with the ability of the future generations to meet their needs. The world faces the threat of environmental degradation, which must be overcome, without abandoning the needs of economic development as well as equality and social justice. Sustainable development requires improving the living conditions of all people without increasing the use of natural resources beyond the planet's resilience.

The Sustainable Development Goals, also known as the Global Goals, are a group of 17 global targets agreed in 2015 for the year 2030 by the United Nations General Assembly. The main focus is on recognizing the ways that end poverty and other deprivations which must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests.

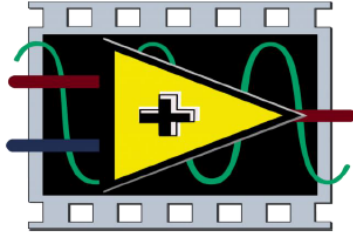
<p>COURSE CONTENT</p> <p>Out of these, six SDGs focuses on Environment perspective of development.</p> <p>These global goals can be summarized as follows:</p> <ol style="list-style-type: none"> 1. SDG-6: Clean Water and Sanitation: Ensure availability and sustainable management of water and sanitation for all 2. SDG-7: Affordable and Clean Energy: Ensure access to affordable, reliable, sustainable and clean energy for all 3. SDG-11: Sustainable Cities and Communities: cities & human settlements inclusive, safe, resilient and sustainable 4. SDG-13: Climate Action: Take urgent action to combat climate change and its impacts 5. SDG-14: Life below Water: Conserve and sustainably use the oceans, seas and marine resources for sustainable development 6. SDG-15: Life on Land: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss <p>This Value added course aims at providing knowledge to student in a holistic and sustainable perspective.</p>	<p>COURSE OUTCOME</p> <p>After completion of this course:</p> <ol style="list-style-type: none"> 1. The learner is able to create a vision of a life in harmony with nature. 2. The learner is able to participate in activities of improving water and sanitation management in local communities. 3. The learner is able to communicate the need for energy efficiency & sufficiency. 4. The learner knows about the main ecological, social, cultural & economic consequences of climate change locally, nationally & globally and understands how these can themselves become catalysing, reinforcing factors for climate change. 5. The learner is able to feel responsible for the environmental and social impacts of their own individual lifestyle. <p>PARTICIPATION</p> <p>The program is of 30 hrs. duration and open to all M.Sc. and B.Tech. students of the University.</p> <p>REGISTRATION</p> <p>There is no registration fee for this course. Registration will start from 15th Sept. to 25th September, 2016. The interested students may contact the coordinator for the same. The maximum number of participants is limited to 60 only.</p>	<p>PATRON</p> <p>Prof. Dinesh Kumar Hon'ble Vice-Chancellor YMCA UST Faridabad</p> <p>PROGRAMME CHAIR</p> <p>Prof. Raj Kumar Dean & Chairman Department of Humanities and Sciences YMCA UST Faridabad</p> <p>COURSE COORDINATOR</p> <p>Dr. Renuka Gupta Department of Humanities and Sciences YMCA UST Faridabad</p> <p>For any query, please contact at: Mobile : +91 9999692469 Email: renug77@gmail.com Department of Humanities and Sciences, YMCA University of Science & Technology, Sector 6, NH-2, Mathura Road, Faridabad (Haryana).</p> <p><i>"Sustainable development is the pathway to the future we want for all. It offers a framework to generate economic growth, achieve social justice, exercise environmental stewardship and strengthen governance."</i></p>
---	---	--

Value Added Course

on

“LabVIEW ”

(26 September- 30 September 2016)



Organized by
**Department of
Electronics Engineering**



**YMCA University of Science and
Technology, Faridabad**
(A Haryana State Government University)
Accredited 'A' Grade by NAAC
NH-2, Sector 6, Mathura Road,
Faridabad, 121006 (Haryana)

PATRON

Prof. (Dr.) Dinesh Kumar
Vice Chancellor
YMCA University of Science and
Technology, Faridabad

PROGRAMME CHAIR

Prof. (Dr.) Munish Vashishath
Chairperson
Department of Electronics Engineering
YMCA University of Science and
Technology, Faridabad

ADVISORY COMMITTEE

Prof. (Dr.) S.K. Agarwal
Electronics Engg. Deptt., YMCAUST, FBD

Dr. Pradeep Kumar
Electronics Engg. Deptt., YMCAUST, FBD

Dr. Shailender Gupta
Electronics Engg. Deptt., YMCAUST, FBD

Dr. Neelam Turk
Electronics Engg. Deptt., YMCAUST, FBD

PROGRAMME COORDINATOR

Ms. Nitin Sachdeva
Assistant Professor
Department of Electronics Engineering
YMCA University of Science and
Technology, Faridabad

Address for Correspondence

Department of Electronics Engineering
YMCA University of Science and
Technology, Faridabad
Email id : n_julka@rediffmail.com

Details of the Course

Duration:

09:00am to 5:00pm(40 hours)
(26 September -30 September 2016)

Last date for Registration:

23 September 2016

Venue:

Multimedia Center, J.C. Bose University
of Science and
Technology, YMCA, Faridabad

Course Fee:

There is no registration fee for
participation. Certificates will be given to
all the participants on successful
completion of the course.

Participation

The program is open to the students from the
university and specific for electronics
engineering field.

Registrations

Faculty, technical staff and students
interested in attending the program must
get registered with coordinator at JCBUST,
Faridabad. You can register in this course
from the provided registration form. The
duly filled registration form recommended
by competent authority should reach the
coordinator latest by September 23, 2016.

About YMCAUST, Faridabad

YMCA University of Science and Technology has been in existence for the past 48 years and consistently been contributing towards creation of competent engineering professionals and entrepreneurs. An Institution that had a humble beginning as a post diploma institution and famous for generating skilled technical human resource for the industry has been elevated in 2009 as University of Science and Technology to further create competent human resource in diversified areas of Science & Technology. The competence of the University has been recognized at various levels by the agencies like UGC (grant of 12B status), accreditation (NAAC Grade 'A'), NIRF (best ranking amongst State Engineering Universities in Haryana), etc.

The University offers B.Tech Degree courses in Electronics and Communication Engg., Instrumentation and Control Engg., Computer Engg., Information technology, Electrical Engg., Mechanical Engg., MBA, BCA, MCA, M.Tech, B.Sc., M.Sc., M.A. (Mass Communication and Journalism) and Ph.D.

University is ready to along with technical education, accomplish the ethical and moral values among youth is one of our prime concerns.

About the Department

The Department of Electronics Engineering is committed to impart technical education in most efficient manner to its students. It was established in year 2012 (earlier combined with Electrical Engineering Department and known as EEE Department running since inception of YMCAIE). The department has equipped itself with workshops/labs and syllabus for achieving

engineering education excellence, from the support of excellent faculty of the Department, YMCA UST has established itself as well-known entity in field of Electronics education. The syllabus of the Department composed of the fundamental concepts blended with ultra-modern topic to impart quality technical education, the lab/workshops consist of basic instrument to software/simulators for providing the student a feel of industrial work environment. Department of Electronics Engineering is running various UG, PG and Ph.D. programs.

About the Program

Laboratory Virtual Instrument Engineering Workbench (LabVIEW) is a system-design platform and development environment for a visual programming language from National Instruments. The graphical language is named "G"; not to be confused with G-code. The G dataflow language was originally developed by Labview, LabVIEW is commonly used for data acquisition, instrument control, and industrial automation on a variety of operating systems (OSs), including Microsoft Windows as well as various versions of Unix, Linux, and macOS.

In the course, the basic and advance concepts of LabVIEW software will be covered in detail through hands on practice. Candidates would also be taught, how to implement projects in LabVIEW software.

Course Content

- ✦ Introduction to LabVIEW
- ✦ Hardware Overview
- ✦ Connect your hardware
- ✦ Validate data
- ✦ Troubleshoot unexpected I/O results
- ✦ Explore a LabVIEW project

- ✦ Dataflow
- ✦ Explore different data types
- ✦ Use While Loops and For Loops
- ✦ Timing a loop
- ✦ Use Loops with Hardware Application Programming Interfaces (APIs)
- ✦ Date Feedback Loops
- ✦ Groups of data in LabVIEW
- ✦ Conditional logic introduction
- ✦ Create and configure Case structures
- ✦ Write data to text file
- ✦ Create file and folder paths
- ✦ Compare file formats
- ✦ Common examples
- ✦ Common types of LabVIEW applications

Course Outcomes

After attending this course, the participants will be able to:

- ✓ Create and program a LabVIEW application that acquires, analyzes, and visualizes data
- ✓ Create user interfaces with charts, graphs, and buttons
- ✓ Use programming structures, data types, and the analysis and signal processing algorithms in LabVIEW
- ✓ Debug and troubleshoot applications
- ✓ Work with sets of single-channel and multi-channel data
- ✓ Log data to file
- ✓ Use best programming practices for code reuse and readability
- ✓ Implement a sequencer using a state machine design pattern

Patron Prof. Dinesh Kumar (Vice Chancellor, YMCAUST)	Registration Form	YMCA University of Science and Technology, Faridabad Department of HAS Organizing VALUE ADDED COURSE
Chairman Dr Raj Kumar (Department of HAS, YMCA UST)	Name: _____	
	Roll No.: _____	
	Department: _____	
	Institution: _____	
	Mobile No.: _____	
	Email: _____	

Convener
Ms Bindu Mangla
 (Assistant Prof. Department of HAS,
 YMCAUST)

Applicant's Signature

CEMENT CHEMISTRY
 (Session 2016-17)

About the Program:

Chemistry is the study of the behaviour of the compounds along with their properties, their physical and chemical characteristics too. Cement represents a commodity which surpasses any other that our species produces and uses as a construction material. Cement is manufactured through a closely controlled chemical combination of calcium, silicon, aluminum, iron and other ingredients. Common materials used to manufacture cement include limestone, shells, and chalk or marl combined with shale, clay, slate, blast furnace slag, silica sand, and iron ore.

About the Department:

Department of Humanities and Science, YMCA University of Science and Technology, added the courses of UG, PG and PhD in various subjects with the finest faculty members to enlighten the path of bright minds in the goal of development of the country. The objective of the department is to equip students with interdisciplinary techniques and skills so that they can contribute in achieving innovative and indigenous solutions to scientific

About the YMCA University of Science and Technology, Faridabad

YMCA University of Science and Technology, Faridabad has been accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade and a CGPA of 3.08 in the First Cycle of Accreditation. YMCAUST was established in 1969 as an indo-German project, a joint venture of the National Council of YMCA India, the Government of Haryana and the Central Agencies for Development Aid, Bonn, Germany. In December 2009 it was awarded the status of state university by the State Government. Right from the very beginning at institutional level, it has emphasized greatly on practical work related to industry. As a result our students are well accepted by the industries. Many of them are entrepreneur with names of repute at national and international level establishes the same. The university has also added new chapters in its glorious history i.e. MBA, MCA, M.Tech (Computer Engineering, Electrical Engineering, Electronics Engineering & Mechanical Engineering), M.Sc (Physics, Maths, Chemistry & Environmental Sciences), M.A. (Mass Communication and Journalism), B.Sc



(Registrations open)
Convener

Ms Bindu Mangla

Email: bindumangla@ymcaust.ac.in

Ph: 0129-2310115

Student Coordinators

Priya Vashishth – 9910141209

**YMCA University of Science and Technology,
Faridabad**

Sector 6, NH-2, Mathura Road

Website www.ymcaust.ac.in

Patron
Prof. Dinesh Kumar
(Vice Chancellor, YMCAUST)

Chairman
Dr Raj Kumar
(Department of HAS, YMCA UST)

Convener
Ms Bindu Mangla
(Assistant Prof. Department of HAS,
YMCAUST)

About the Program:

Chemistry is the study of the behaviour of the compounds along with their properties, their physical and chemical characteristics too. Inorganic chemistry is the analysis of the synthesis, reactions, structures and properties of the compounds of the elements that comprises the chemistry of non-organic compounds and overlaps with organic chemistry in the field of organometallic chemistry, in which metals are bonded to carbon-containing ligands and molecules. Catalysts, coatings, fuels, surfactants, fibers, superconductors, cement industries and drugs are researched and developed using advanced topics and technology in Chemistry.

About the Department:

Department of Humanities and Science, YMCA University of Science and Technology, added the courses of UG, PG and PhD in various subjects with the finest faculty members to enlighten the path of bright minds in the goal of development of the country. The objective of the department is to equip students with interdisciplinary techniques and skills so that they can contribute in achieving innovative and indigenous solutions to scientific problems related to our society.

Registration Form

Name: _____
Roll No.: _____
Department: _____
Institution: _____
Mobile No.: _____
Email: _____

Applicant's Signature

About the YMCA University of Science and Technology, Faridabad

YMCA University of Science and Technology, Faridabad has been accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade and a CGPA of 3.08 in the First Cycle of Accreditation. YMCAUST was established in 1969 as an indo-German project, a joint venture of the National Council of YMCA India, the Government of Haryana and the Central Agencies for Development Aid, Bonn, Germany. In December 2009 it was awarded the status of state university by the State Government. Right from the very beginning at institutional level, it has emphasized greatly on practical work related to industry. As a result our students are well accepted by the industries. Many of them are entrepreneur with names of repute at national and international level establishes the same. The university has also added new chapters in its glorious history i.e. MBA, MCA, M.Tech (Computer Engineering, Electrical Engineering, Electronics Engineering & Mechanical Engineering), M.Sc (Physics, Maths, Chemistry & Environmental Sciences), M.A. (Mass Communication and Journalism), B.Sc (Physics) and Ph.D.

YMCA University of Science and Technology, Faridabad
Department of HAS
Organizing

VALUE ADDED COURSE
On
ADVANCED TOPICS IN
CHEMISTRY
(Session 2016-17)



(Registrations open)

Convener

Ms Bindu Mangla

Email: bindumangla@ymcaust.ac.in

Ph: 0129-2310115

Student Coordinators

Ms. Priya Vashishth – 9910141209

YMCA University of Science and Technology,
Faridabad

Sector 6, NH-2, Mathura Road

Website - www.ymcaust.ac.in



YMCA University of Science & Technology,
Faridabad
NH2, Sector-6, Mathura Road, Faridabad-121006, Haryana, India

DEPARTMENT OF ELECTRICAL ENGINEERING CONDUCTING

Value Added Course
on
“Automation:
PLC & SCADA”
Session (17th-21st Jan
2017)



Chairperson	Coordinator	Coordinator
Prof Rajesh Ahuja Chairperson (EL) JCBoseUST, YMCA	Dr Rashmi Agarwal Assistant Professor Electrical Engg	Dr. Anju Gupta Associate Professor Electrical Engg.

**Certificates will be provided on successful completion
of the course**



PATRON
Prof. Dinesh Kumar
(Vice-Chancellor, YMCAUST)

CO PATRON
Prof. Sanjay Sharma
(Registrar, YMCAUST)

CONVENER
Prof. Raj Kumar
(HOD, Department of HAS, YMCAUST)

YMCA University of Science and
Technology, Faridabad
Sector 6, NH-2, Mathura Road
Website - www.ymcaust.ac.in

YMCA University of Science and
Technology, Faridabad
Department of Humanities & Applied Sciences
Organizing
Value added course
On
"Advances in Mathematics and Computing"
4th July 2016 - 9th July 2016

Name: _____

Roll No: _____

Department: _____

Branch: _____

Institution: _____

Years of Experience: _____

Area of Interest: _____

Address: _____

Mobile No.: _____

Email: _____

Website - www.ymcaust.ac.in

Date: _____

(Late date to apply: 25th June 2016)

Applicant's Signature

YMCA University of Science and Technology,
Faridabad
Value added course
On
"Advances in Mathematics and Computing"
4th July 2016 - 9th July 2016
Organised By: Department of Humanities &
Applied Sciences



(Registrations are open for all Branches)

Convener & Head of Department
Prof. Raj Kumar

Coordinator
Dr. Neetu Gupta
Mob. No. - 9953505828
Email: neetuymca@yahoo.com

About the University

YMCA University of Science and Technology, Faridabad was established in the year 1969, as an Indo-German project with an aim to impart technical education to a developing India on German pattern.

The labs & workshops have been setup with the assistance of German expertise. In 1996, State Govt. of Haryana took complete control of the Institute and upgraded it to University status in Dec. 2009. The university offers 4-year B.Tech degree course in various disciplines like Computer Science, Information Technology, Electronics & Communication Engineering, Electrical Engineering, Mechanical Engineering; M.B.A., M.C.A, M.Tech. (Computer Engineering, Electrical Engineering, Electronics Engineering & Mechanical Engineering); M.Sc. (Physics, Maths, Chemistry & Environmental Sciences) and Ph.D.

The University is situated on National Highway-2, Mathura Road, 30 km from National Capital, Delhi. The University campus is located in the sprawling Faridabad-Ballabgarh Industrial complex.

One week Value Added Course on Computational Techniques in Physics (CTP-2017)

06-11 February, 2017



**Department of Humanities and Applied
Sciences
YMCA University of Science and
Technology, Faridabad-121006**

**Convenor:
Dr. Raj Kumar**

**Coordinators:
Dr. Anuradha Sharma
Dr. Sonia Bansal**

