# Activity Report

**TEQIP-III sponsored Workshop on "Hands on training on design and fabrication of PCB " 18.07.2019 to 24.07.2019.**

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| Name of department/ Section/ cell conducting the activity | Department of Electrical Engineering |
| In coordination with (if any) | Electronics Engineering Department |
| Date of conduct | 18.07.2019 to 24.07.2019 |
| Activity Coordinator | Dr.Shakuntla<br>Assistant Professor, Department of Electrical Engg.<br>JCBUST, YMCA Faridabad<br>Mr.Lalit Mohan<br>Dr.Dharamvir<br>Departmnt of Electronics Engineering<br>JCBUST, YMCA Faridabad |
| Amount Spent | 35000/- |
| Funding/ grant from (University/ Industry/ UGC/ AICTE/ DST/ TEQIP/ Outside Society/ agency/others (mention) | TEQIP-III |
| Target audience: | This workshop is designed for electrical and electronics and computer engg faculty and technical staff from university /Institute/ Engg.College/ Polytechnic, participants sponsored by director technical and nearby local engineering colleges / technical institutions authority. This workshop is for people who are interested in learning electronics and/or printed circuit board design. |
| No. of beneficiaries | 24 |
| Outside guests/ Details of Experts | 1. Mr.lalit Mohan (Workshop Head, Electronics Engg. Department)<br>2. Ms.KusumArora (Workshop Staff, Electronics Engg. Department) |
| Brief Description of the event | The main motto of the workshop is "Hands on training on design and fabrication of PCB". PCB forms the basis of any microcontroller or electronic circuit. With this technology, one can bring any software design to life and use it to develop working projects. It will serve as an excellent platform for enhancing and sharing knowledge regarding fabrication and designing of PCB. The objective of this program is to bring together various researchers and practitioners from academia and industry to emphasize on fabrication and designing concepts and its applications in engineering and other areas. The workshop is designed to make students capable to design their own projects up to the industrial grade. |

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| Attach Brochure of the event | <br>**Workshop under TEQIP-III on "Hands on Training on Design and Fabrication of PCB"**<br>**Organized by**<br>**Department of Electrical & Department of Electronics Engineering**<br>**J.C.BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD**<br>**Sector 6, Faridabad, 121006 (Haryana)**<br>**WORKSHOP HIGHLIGHTS:**<br>• Introduction to PCB designing concepts<br>• Trends in PCB designing<br>• Introduction of development tool (Easy Eda Software)<br>• Detailed description and practical's of PCB designing<br>• Circuit simulation, testing and troubleshooting<br>• Lab practice and designing concepts<br>• Project work and documentation<br>**Patron**<br>**Prof. (Dr.) Dinesh Kumar (Vice-Chancellor)**<br>J.C. Bose University of Science and Technology, YMCA, Faridabad<br>**Programme Chair**<br>**Dr Poonam Singhal (Chairperson Electrical )**<br>**Dr Neelam Turk (Chairperson Electronics )**<br>Department of Electrical and Electronics Engg.<br>J.C. Bose University of Science and Technology YMCA, Faridabad<br>**Coordinators**<br>**Ms. Shakuntla (9811384551)**<br>**Mr. Lalit Mohan ( 9811741838)**<br>**Dr. Dharamvir ( 9999067810)**<br>Electrical and Electronics Engg. Department<br>J.C Bose University of Science and Technology YMCA, Faridabad.<br>Email ID: **designpcb19@gmail.com**<br>**Venue**<br>**Smart Classroom**<br>Department of Electrical and Electronics Engg.<br>J. C. Bose University of Science and Technology YMCA, Faridabad<br>**REGISTRATION FORM**<br>**WORKSHOP UNDER TEQIP-III ON**<br>**"HANDS ON TRAINING ON DESIGN AND FABRICATION OF PCB"**<br>**18.07.2019 – 24.07.2019**<br>Department of Electrical and Department of Electronics Engg.<br>J.C. Bose University of Science and Technology YMCA, Faridabad<br>Name_____<br>Designation_____<br>Institute Postal Address<br>_____<br>_____<br>Phone (with area code)<br>_____<br>Mobile_____<br>Fax_____<br>Email_____<br>Whether the Institute is TEQIP funded or not: Yes/No<br>Institution: _____<br>Address: _____<br>Sex: Male ☐ Female ☐<br>**Signature of the Participant**<br>**Recommended Signature and Seal**<br>**Head of the Institution**<br>**Advance copy of application form can be emailed for immediate action**<br>**About J.C. Bose University of Science and Technology YMCA, Faridabad**<br>J.C. Bose University of Science and Technology YMCA, Faridabad (formerly YMCAUST, Faridabad) 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.<br>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.<br>**About the Department**<br>The **Department of Electrical Engineering** offers a vibrant environment for undergraduate education, postgraduate education and research in Electrical Engineering. The department has been playing a vital role in producing scientists and technologists of highest caliber ever since it was established in the year 1969. The department of Electrical Engineering at YMCA University of Science & Technology has evolved with time and offers B. Tech, M Tech and PhD. The UG curriculum provides strong base to the students in electrical engineering and provides exposure to the latest technologies. In addition to the strong undergraduate programme, the department has been playing a pioneering role in producing world class postgraduates and research scholars. The infrastructure and lab facilities are upgraded from time to time to make the opportunities available for students and researchers.The department is currently engaged in various areas of electrical engineering including Power Studies, Power Electronics, Electrical Drives, Renewable Energy and Power Quality etc.<br>The **Department of Electronics Engg** is committed to impart technical education in the most efficient manner to the students. It was established in the year 2012 (earlier combined with the Electrical Engg Deptt). The Department has equipped itself with workshops/labs and syllabus for achieving Engg education excellence from the support of excellent faculty of the Department. The syllabus of the department composed of the fundamental concepts blended with the ultra-modern topic to impart quality technical education. The labs/Workshops consists of the basic instrument to software/simulators for providing the students a feel of the industrial work environment. Department of Electronics Engg. is running various UG, PG and Ph.D programmes.<br>**Workshop Objective**<br>The main motto of the workshop is "**Hands on training on design and fabrication of PCB**". PCB forms the basis of any microcontroller or electronic circuit. With this technology, one can bring any software design to life and use it to develop working projects. It will serve as an excellent platform for enhancing and sharing knowledge regarding fabrication and designing of PCB. The objective of this program is to bring together various researchers and practitioners from academia and industry to emphasize on fabrication and designing concepts and its applications in engineering and other areas. The course is designed to make students capable to design their own projects up to the industrial grade.<br>**Workshop Outcomes**<br>• Hands- on experience of working with PCB design<br>• Experience of best learning practice<br>• Acquire skills to do better Minor/Major projects<br>**Course Fee**<br>There will be no course fee for the TEQIP-III sponsored Institute/Universities.<br>**Participation**<br>The program is designed for electrical and electronics and computer engg faculty and technical staff from university /Institute/ Engg.College/ Polytechnic, participants sponsored by director technical and nearby local engineering colleges / technical institutions authority. This course is for people who are interested in learning electronics and/or printed circuit board design.<br>**Registrations**<br>The registration form can be downloaded from the university website www.ymcaust.ac.in. Faculty interested in attending the program must get registered with the coordinators at JCB,YMCA, Faridabad. The duly filled registration form recommended by competent authority should reach the coordinator latest by 17th July 2019. In case the sponsored participants Institute is covered under TEQIP-III, there will be no course fee and for other participants course Fess @ Rs. 1500/ per participant will be charged. In addition, TA/ DA of teachers from such institutes will be born either by their own selves or by their sponsoring institute.<br>The boarding/lodging, TA/DA will not be provided.<br>**The participants will have to make stay arrangements at their own during Workshop.**<br>**Important Dates**<br>**Last date for submission of application form: 17th July. 2019**<br>**Inauguration of Workshop: 18th July. 2019**<br>**Valedictory Session: 24th July. 2019**<br>**Send scanned copy of Application Form at: designpcb19@gmail.com** |
| attach two/ three good quality photographs | |

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| Attach certificate of the event | <br>J.C. Bose University of Science & Technology, YMCA, Faridabad<br>(A Haryana State Government University)<br>Accredited 'A' Grade by NAAC<br>TEQIP-III Sponsored One Week Workshop<br>ON<br>Hands on Training on Design and Fabrication of PCB<br>(July 18th – July 24th, 2019)<br>Certificate of Appreciation<br>This is to certify that **Ms. Shakuntla** from **JCBUST, YMCA, Faridabad** was the member of the organizing committee and coordinator of **TEQIP-III** sponsored one week workshop on **"Hands on Training on Design and Fabrication of PCB"** organized by **Department of Electrical Engineering and Department of Electronics Engineering** at **J. C. Bose University of Science and Technology, YMCA, Faridabad** held on 18th to 24th July, 2019.<br>Chairperson<br>Electrical Engg.<br>Chairperson<br>Electronics Engg. |
| Any other information | |