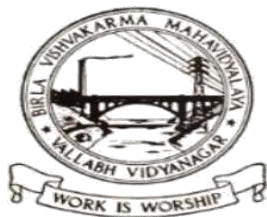


*A
Report
On
TEQIP III Sponsored
Three days national workshop
On*

"Digital Signal Processing"

During
(2- 4 January, 2018)



CHARUTAR VIDYAMANDAL
VALLABH VIDYANAGAR, GUJARAT, INDIA

Organized by
Electronics Engineering Dept.
BVM Engineering College
An Autonomous Institution
(managed by Charutar Vidya Mandal)
Vallabh Vidyanagar-388120

TEQIP II Sponsored & ISTE Approved
Three days national workshop
on
"Digital Signal Processing"
During
(2 – 4 January, 2018)

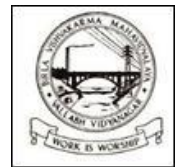
About CVM



Charutar Vidya Mandal (CVM) is one of India's leading NGO and non-profitable charitable organization working in the field of education founded to cater education to the rural mass of Gujarat. In this age of the Global Village, when global interdependence and competition are upon us, CVM is trying to educate and train our youngsters to keep up and keep pace with the best and the brightest in the world. CVM is offering all the programmes of study appropriate to the modern age, and maintaining high standards of education. CVM is always supporting all the activities for Students and faculties' development. – **Dr. C. L. Patel, Chairman, CVM**

About BVM

With the motto of Work is worship, BVM is a Premier Institution of CVM founded in 1948. BVM is the First Approved Degree Engineering College of the Gujarat state. More than 20000+ engineers have graduated from BVM College. It offers B.Tech and M.Tech degree courses. The college is affiliated to the Gujarat Technological University. BVM is the first Autonomous Engineering institute of Gujarat to obtain academic autonomy for all its UG & PG programs, from University Grant Commission (UGC). It is a matter of pride, that the Institute has successfully completed prestigious World Bank Assistance Project, TEQIP-II of INR 10 crores and further has been awarded with TEQIP-III grant of INR 7 crores. Majority programs of BVM are awarded accreditation by NBA-AICTE. BVM is listed in top 200 Engineering institutes in NIRF ranking 2017.



About Department

The Departments of Electronics Engineering is the most efficient departments of BVM Engineering college and offer Ph.D and B.Tech programs. The departments have highly qualified, well experienced and dedicated faculty members. The departments are equipped with advanced instruments and equipment for research facilities. Experts from leading industries and educational institutes are invited frequently for guest lectures on recent developments for the benefit of student and staff.

About TEQIP-III

Technical Education Quality Improvement Programme (TEQIP) of Government of India aims to improve the quality of Technical Education by providing inputs like modernization of

Dr. T. D. Pawar, Head Electronics Dept, gave a brief introduction about the workshop. He encouraged the participants to avail utmost benefit from the workshop and explore themselves in the area of Digital Signal Processing. He appealed all the students and faculty members to work for the betterment of the society and nation at large.



Dr. Mehfuza Holia, Coordinator of this program expressed the vote of thanks. She thanked CVM and TEQIP-III for its continuous motivation and help extended to conduct such programs. She expressed her heartfelt gratitude to Dr. V. M. Gadre, Professor, IIT Bombay for mentoring this workshop.



Program Schedule:

Day 1, Date: 02/01/2018 Tuesday		
Duration	Topic	Expert
09.30- - 10.00	Registration & Break fast	
10.00. -- 10:30	Inaugural Function	
10:30 --12:00	DSP course Objectives: Introduction to ezDSP5515 kits	Shyam Dhua, IITB
12:00 -- 1:00 -	Introduction to CCS IDE with experiments	Ijaz Ahamad, IITB
1:00 -- 2:00	Lunch Break	
2.00 --3.30	Hands on Experiments with DSP	Yaman Dang, IITB
3.30-- 3:45	Tea break	
3:45-- 5:15	Hands on Experiments with DSP	Swapnil Thakur, IITB
Day 2, Date: 3/01/2018 Wednesday		
09.30- - 10.00	TEA / BREAKFAST	
10.00. -- 11:30	Introduction to Texas DSP Processors	Development in Power Sector-Research areas
11:30 --1:00	Hands on Examples with CCS studio and TMDSDSK6713 & LCDKC6748	Sajad Rather, Edgate Technologies
1:00 -- 2:00	Lunch Break	
2.00 --3.30	MATLAB SIMULINK Model Based Lab Real Time Examples Audio Processing Audio ECHO	Sajad Rather, Edgate Technologies
3.30-- 3:45	Tea break	
3:45-- 5:15	MATLAB SIMULINK Model Based Lab Real Time Examples FIR Filter design ;	Sajad Rather, Edgate Technologies
Day 3, Date: 4/01/2018 Thursday		
09.30- - 10.00	TEA / BREAKFAST	
10.00. -- 11:30	Hands on DSP Experiments	Dr. T. D. Pawar , BVM Engg. College
11:30 --1:00	Introduction and Vector Network Analyzer and Its Applications	Dr. J. M. Rathod, BVM Engg. College
1:00 -- 2:00	Lunch Break	
2.00 --3.30	DSP Applications with MATLAB	Dr. Kiran Parmar, Professor and Head Electrical Dept, Adani Institute, Ahmedabad.
3.30-- 3:45	Tea break	
3:45-- 5:15	Quiz/Feedback Valedictory	

Eight Speakers delivered expert talks on practical implementation of Digital signal processing. Hand on experiments were provided on ezDSP5515 kits. Image processing Applications were demonstrated on hardware. Experts from Texas Instruments have shown the implementation of Audio/Video Processing on DSP/ image processing hardware. DSP Experiment done on MATLAB, have been demonstrated. Demonstration of Vector Network Analyzer and its Applications have been shown to participants. Applications of DSP were covered in this workshop.



Valedictory Session:

The valedictory function of the National workshop on “Digital Signal Processing” was scheduled on 4th January, 2018, 04:00 pm onwards. Dr. Kiran Parmar, Head Electrical Engineering Department, Adani Institute was the chief guest at the function. Dr. Indrajit Patel, Principal, Dr. S. D. Dhiman, TEQIP-III Coordinator, Dr. T. D. Pawar, Head, Electronics Engineering Department, Dr. D. M. Patel, Dr. J.M. Rathod, Dr. Mehfuza Holia, Prof. M.M.



Solanki were present on the dais.

Dr. Indrajit Patel, Principal BVM College emphasized on the importance of research for the development and progress of the society and nation at large. He also encourage participants to avail maximum benefit from such workshops and enhance their knowledge in their respective fields which can lead to a research based environment. Dr. S. D. Dhiman, TEQIP-III Coordinator, gave a brief report of the various activities carried out at the institution under TEQIP-III. Dr. Kiran Parmar, Head Electrical Engineering Department, Adani Institute, congratulated BVM family for the successful completion of the workshop. He focused on the various advanced areas of research in Engineering and Technology. Prof. Milind Solanki, one of the coordinator of the program expressed a vote of thanks. Valuable feedbacks were provided by the participants and certificate distribution was done by the dignitaries on the dais.



On Behalf of Organizing Team,
Dr. Mehfuza Holia
Prof. M. M Solanki