TEQIP-III Newsletter

July-September 2019   **Volume 1 Issue 2**

TEQIP-III

The Project, Third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Twelfth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States (SCS) and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

Contents

Vision

Realization of Glimpses of a Golden India in the real(rural) India which lives and abounds in its villages. GNDEC will excel nationally and distinguish itself as a recognized preeminent leader to serve this 70% Brotherhood through its socio economic upliftment by exposure of the have-nots to Engg. & Technology thereby grooming them as technically competent and intellectually-vital Graduates through practically focused quality learning experiences, and thus assuring productive Careers for them.

Mission

Upliftment of Rural Students through technical education. Respond to local societal needs by developing selected 'targeted research projects'. Quality training programs in need based modern technology. To promote culture of self-employment.   To impart non-formal education to unemployed youth. To inculcate moral, ethical, spiritual values in education at all levels

GNDEC at Glance

GNDEC at a Glance Guru Nanak Dev Engineering College (GNDEC) was established by The Nankana Sahib Education Trust with a mission of "Removal of Economic Backwardness through Technology" for the upliftment of the vast weaker section of Indian polity comprising Rural India. This commitment was made to the nation on 8th April, 1956, the day foundation stone of the College Building was laid by Late Dr. Rajendra Prasad Ji, the First President of India. The thrust is on practical learning and the empowerment of the disadvantaged sections is given considerable importance.   Nearly 15,000 graduate and 3500 Post Graduate Engineers have passed out from this college during the last 57 years and are at present successfully employed in India & abroad. The College has also been identified as First QIP Centre of Punjab by All India council for Technical Education (AICTE) for Ph.D Programme and is one among the existing 42 QIP Centres including IITs at National Level. In last five years, the faculty has published around 225 research papers in National/Internal Journals and more than 450 papers in various conferences in India and abroad. Around 25 teachers have attended International conferences and other interactions under DST/AICTE/PTU travel grant program. More than 40% teachers are having Ph.D degree and another 40% teachers are pursuing Ph.D. 35 Research projects, Seminar Grants and STTPs have been granted by DST, AICTE, IE(I) and PTU to faculty members. A well-established library with 72,000 books, on-line Journals (ASME, Science Direct, IEEE etc.) & other Resources are available through INDEST. Science & Technology Entrepreneurs Park (STEP) was established by DST in 1987 and is successfully acting as an Incubator and training engineers to be entrepreneurs.

Principal's Desk

Dr. Sehijpal Singh

Guru Nanak Dev Engineering College, Ludhiana (an autonomous college under UGC Act), established in 1956, was set up under the aegis of Nankana Sahib Education Trust, devoted to the cause of rural education to meet the growing demand for technical and professional manpower and industries. We are proud that this institution has consistently maintained its tradition of excellence in the field of technical education till date.

The college has been declared an autonomous college by UGC, New Delhi on 17.8.2012. The college has privilege of starting PhD degree under Quality Improvement Programme (QIP) by AICTE, New Delhi. The college has been accredited with 'A' Grade by NAAC. The college has attained ISO 9001:2008 Certification and the UG programmes are accredited by NBA under the New Outcome Based System under Washington Accord. The institute imparts instruction in eleven Postgraduate M.Tech courses both on regular and part time basis. A dedicated research environment is provided to the researchers leading to PhD degree programme. The perseverance and dedication of the entire staff is so high that it is effervescent to evolve problem-solving strategies for the betterment of the students. Numerous ongoing projects by AICTE, MHRD, CSIR, TEQIP-II/FIST etc. further enrich the faculty and the institution. The college has been granted FM radio station under Community FM Scheme by the Centre. The college believes in strong industry institute collaboration for which the testing and consultancy cell established by the college works rigorously by sharing its expertise with industry. I take this opportunity to welcome the students from the core of my heart, and assure their parents that the college will further register tremendous progress on all fronts with its sincere, dedicated & progressive efforts.

Coordinator's Message

Dr. Harwinder Singh

Guru Nanak Dev Engineering College has been awarded TEQIP-III in the month of March 2019 under sub component 1.3 and Atal Bihari Vajpayee Government Institute of Engineering & Technology, Shimla (2011) is allocated as mentee institution to our institution. I along with our team work hard to achieve best quality in education, training and skills of our students and teaching/non-teaching staff.

TEQIP provides us every type of support and full assistance for achieving this goal. We encourage faculty/staff and students to participate and attend various training sessions, FDPs, workshops, seminars, conferences etc. The students of all departments are provided remedial classes for weak subjects, GATE coaching classes and many other programs.

TEQIP-III Team

Name of Official	Designation
Dr. Harwinder Singh	Co-ordinator TEQIP
Prof. Ranjit Singh	Nodal Officer (Procurement)
Prof. Ardamanbir Singh Sidhu	Nodal Officer (Finance)
Dr. N.S. Bhangu	Nodal Officer (Academics)
Dr. Inderpreet Kaur	Nodal Officer (Equity)
Er. Prabhjot Kaur	MIS Officer
Mr. Harpreet Singh	Senior Scale Stenographer
Mr. Harpreet Singh	Ministerial Staff (Finance)
Mr. Harwinder Singh	Data Entry Operator

Events Organized

Department	Event	Date	Type of Participants	Type of Event
Institutional	Effective Classroom Communication	11-12th July, 2019	Faculty	STTP
Institutional	3 Magical Steps to Teaching Excellence	16th July, 2019	Faculty	Workshop
Institutional	MOOC Awareness Workshop for Faculty	25th July, 2019	Faculty	Workshop
Applied Science	Induction Program for 1st Year Students	17th July-6 Aug, 2019	Students	Induction Program
Institutional	Student Excellence and Learning Program	29th July-3rd August, 2019	Students	SELP
Institutional	MOOC Awareness Workshop for Students	20th August, 2019	Students	Workshop
Institutional	Employability Skill Test Aspiring Minds	10-12th September, 2019	Students	Test
Electrical Engineering	Workshop on Microgrid, WAVECT and RCT Tool	19th September, 2019	Faculty	Workshop
National	Institutional	26-27th September, 2019	Students	Technical Event

Faculty Sponsored

Department	Name and Designation	Type of Event	Event Name and Location	Duration
Electronics and Communication Engg.	Dr. Munish Rattan (Assistant Professor)	Management Development Training	Professional Development Training Programme for faculty and Administration at IIM Visakhapatnam	15-19th July, 2019
Production Engg.	Dr. Harpuneet Singh (Assistant Professor)			
Mechanical Engg.	Er. Sukhinderpal Singh (Assistant Professor)	Workshop	SAEINDIA SUPRA 2019 at BIC Greater Noida	15-20th July, 2019
Computer Science Engg.	Er. Amandeep Kaur Sohal (Assistant Professor)	Conference	Communication and Electronics systems	17-19th July 2019

Faculty: Reimbursement of fee for Higher Education

Department	Name and Designation	Degree and Institution where registered
Information Technology	Er. Jagdeep Singh (Assistant Professor)	PhD (Lovely Professional University Jalandhar)
Mechanical Engineering	Er. Satjot Singh Dhillon (Assistant Professor)	PhD (I.K.Gujral Punjab Technical University Kapurthala)
	Er. Chamkaur Singh Jindal (Assistant Professor)	
	Er. Amrinder Singh Pannu (Assistant Professor)	
	Er. Jatinderpal Singh (Assistant Professor)	PhD (Thapar Institute of Engineering and Technology, Patiala)
	Er. Gulveer Singh (Assistant Professor)	PhD (SLIET, Longowal)
Civil Engineering	Er. Mandeep Kaur (Assistant Professor)	PhD (I.K.Gujral Punjab Technical University Kapurthala)
	Er. Prabhjot Singh (Assistant Professor)	
	Er. Pardeep Singh Joia (Assistant Professor)	
	Er. Yuvraj Singh (Assistant Professor)	
Electronics and Communication Engineering	Er. Gurpurneet Kaur (Assistant Professor)	
	Er. Gurjot Kaur Walia (Assistant Professor)	
	Er. Navneet Kaur (Assistant Professor)	
Production Engineering	Er. Gulraj Singh	PhD (NIT, Uttarakhand)

Staff Sponsored

Department	Name and Designation	Event Type	Event Name	Duration
Workshop	Mr. Ram Pratap Singh (Instructor)	STC	Supervisory Development for workshop instructor NITTTR, Chandigarh	8-12th July, 2019
	Mr. Charanjeet Singh (Instructor)			
	Mr. Balwant Raj (Instructor)			
	Mr. Jatinder Singh (Instructor)			
	Mr. Gurinder Singh (Instructor)			
	Mr. Inderjit Singh (Instructor)			
Computer Science Engineering	Mr. Gurmukh Singh (Lab Superintendent)	STC	Computer Network and hardware maintenance at NITTTR Chandigarh	15-19th July, 2019
	Mr. Jatinder Singh (Lab Technician)			

Staff: Reimbursement of fee for Higher Education

Department	Name and Designation	Degree and Institution where registered
Workshop	Mr. Inderjit Singh (Instructor Workshop)	AMIE Degree (University of Engineers Kolkata)
Workshop	Mr. Puran Singh (Instructor Workshop)	AMIE Degree (University of Engineers Kolkata)
Mechanical Engineering	Er. Harjit Singh (Lab Technician)	M. Tech Degree
Workshop	Mr. Hardeep Singh (Instructor Workshop)	Part Time Diploma in Bicycle and Sewing Machine (R & D Polytechnic College, Focal Point Ludhiana)
Establishment Branch	Mrs. Manpreet Kaur (Clerk)	M. Sc (IT) Punjabi University Patiala

Students Sponsored

Degree	Department	Roll No	Name	Type of Event	Event Name and Location	Duration
M.Tech	Production Engineering	1806102	Mohit Singh	GIAN Course	Medical Prototyping using 3D printing at NIT Warangal.	15-19th July 2019
		1806103	Pawanpreet Singh			
B.Tech	Electrical Engineering	PhD Scholar	Bharti Kaul	Conference	International Conference on Aero Nautics and Beyond at MRCET, Hyderabad	21st June, 2019
	Electronics and Communication Engineering	1707233	Shubhneet Kaur	Conference	Communication and Electronics Systems	17-19th July 2019
		1707232	Sameeksha Munjal			
		1707226	Jasdeep Singh			
		1707223	Bhumika Narang			
	Mechanical Engineering	1607348	Sanjeev Kumar	GIAN Course	Models of walking and running, IIT Madras	22-26th July 2019
		1607356	Sonu Kumar			
	Electronics and Communication Engineering	1707224	Chetanjot Kaur	Conference	Innovations in Communication and Computing and Sciences	26-27th July 2019
		1707222	Amritpal Kaur			
		1707230	Navleen Kaur			
M.Tech	Computer Science and Engineering	1707207	Harsimarjeet Kaur			

Student Visits

Degree	Department	Visit Purpose and Place	Date
B.Tech	Applied Science	Environment Friendly Tour to Sultanpur Lodhi During Induction Program	2nd August, 2019
B.Tech	Mechanical Engineering and Production Engineering	Educational Tour to site of Delhi Expo Noida	8th August, 2019

Procurement Packages

Department	Package Name	Status
Computer Science and Engineering	Project Lab	Inspection
Computer Centre	Upgradation of Central CC facilities	
Institutional	Desktop Computer	
Civil Engineering	Survey Lab	
Civil Engineering	Civil Works-1	Work Order
	Environmental Engineering Lab Equipment	GRN and Payment
Computer Science and Engineering	Research Lab	Purchase Order
	Hardware Lab	
Electronics and Communication Engineering	Drill bit set	

Procurement Packages

Department	Package Name	Status
Electronics and Communication Engineering	Software MATLAB	Completed
Library	Wiley E-books	
	McGraw Hill Books	
	Pearson E Books	
	Hard Copy Books	
	Print Books For Library	
Computer Science and Engineering	Research Operating System Lab	
Institutional	Plagiarism Software	Payment
Electronics and Communication Engineering	Optical Communication Trainer Kit with additional Module	
Electrical Engineering	Power System Lab	
Institutional	TEQIP Cell Furniture	
Information Technology	HPC Cluster facility (High Performance Computing)	
Electronics and Communication Engineering	Xilinx Vivado Design Suite	
Civil Engineering	Concrete Lab	

Twinning Activities

Type of Activity	Date	Description	Officials/Concerned Personnels
Recommendation of Experts for Expert Lectures by Our Institution	*2-23 Aug, 2019*	*Expert Lectures for Induction Program*	*Prof. Jyotindra S. Sahambi* *Prof. Mrs Neeraj Sharma* *Shri Prabhat Kumar Jha* *Prof. S.C. Jain, Dr. Bhader Singh* *Mr. Ravi Kant Azad, Sh. Pawan Kumar* *Sh. Neeraj Prashar* *Dr. T. Kumar* *Dr. R.B. Choudhary* *Mr. Amit Kumar*
Mentee Attended Meetings at Our Institution	19 Jul, 2019	*157th BOG Meeting*	Dr. M.K. Jha, Director/Principal, Atal Bihari Vajpayee Govt. Institute of Engg. & Tech., Pragatinagar
	26 Jul, 2019	Board of Studies Meeting CSE Deptt., GNDEC Ludhiana	Ravi Kumar AP CSE (Special Invitee)
	2 Aug, 2019	Board of Studies Meeting ECE Deptt, GNDEC Ludhiana	Ajeet Thakur AP ECE (Special Invitee)
	9-10 Aug, 2019	*11th Academic Council Meeting*	Mr. Kuldeep Singh AP Mathematics & TEQIP Coordinator
Jointly Organized FDPs/Workshops	25 Jul, 2019	*MOOCs Awareness Workshop at GNDEC, Ludhiana*	Prof. Ravi Kumar AP CSE and Er. Rahul Pal Singh AP CSE
	19 Sept, 2019	*NBA Awareness, MOOC Courses, Governance Practices, Academic Reforms and Placement Activities Workshop at ABVGIET, Shimla*	Dr. B.S Dhaliwal, Dr. Pankaj Bhambri, Er. Lakhveer Singh Khana, Dr. Manpreet Singh
	25 Sept, 2019	Campus placement drive by '*Jaro Education*' at GNDEC, Ludhiana	10 Students (Deeksha, Surbhi, Vandna, Ankit, Isha, Rahul Thakur, Sakshi Chauhan, Sakshi Thakur, Swati, Vivek)

Statutory Meetings

Meeting Name	Date
157th BOG Meeting	19-Jul-19
BOS Meeting By Civil Engineering	17-Jul-19
157th BOG Meeting	19-Jul-19
BOS Meeting By Electrical Engineering	22-Jul-19
BOS Meeting By Information Technology	23-Jul-19
BOS Meeting By Computer Science Engineering	26-Jul-19
BOS Meeting By Electronics and Communication Engineering	02-Aug-19
BOG Sub Committee Meeting	09-Aug-19
11th Academic Council Meeting	10-Aug-19
Screening Committee Meeting	21-Aug-19
BOG Meeting Sub Committee Meeting	31-Aug-19
Quality Review Meeting	14-Sep-19

Brochures

Brochure 1

About the GNDEC, Ludhiana......

Guru Nanak Dev Engineering College, one of the prestigious, oldest and minority institution of Northern India, was established under the aegis of Nankana Sahib Education Trust (NSET) in 1956. NSET was founded in the memory of the most sacred temple of Nankana Sahib, birth place of Guru Nanak Dev Ji. The main mission for establishing Guru Nanak Dev Engineering College was 'Removal of Economic Backwardness through Technology'. To fulfill this commitment, a unique admission criterion was adopted by NSET by reserving 70% seats for the students of rural areas.

The College is affiliated with I.K.Gujral Punjab Technical University (IKGPTU), Kapurthala. The college courses are approved by AICTE, New Delhi. This is the first Engineering College of Punjab, which was conferred Autonomous Status by University Grants Commission (UGC), New Delhi in 2012 under section 2(f) and 12(B) of UGC Act 1956. The institute runs seven Engineering Branches (Civil, Mechanical, Electrical, Electronics & Communication, Computer Science, Information Technology and Production) at UG level and 15 PG level courses including MBA, MCA. The college has Ph.D in all engineering branches and it is a QIP Centre under AICTE for Ph.D in streams viz. Civil Engineering, Mechanical Engineering and Electrical Engineering.

About the SWAYAM– MOOC......

SWAYAM is a programme initiated by Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most disadvantaged. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy.

This is done through a platform that facilitates hosting of all the courses, taught in classrooms from Class 9 till post-graduation to be accessed by anyone, anywhere at any time. All the courses are interactive, prepared by the best teachers in the country and are available, free of cost to any learner. More than 1,000 specially chosen faculty and teachers from across the country have participated in preparing these courses.

The courses hosted on SWAYAM are in 4 quadrants – (1) video lecture, (2) specially prepared reading material that can be downloaded/printed (3) self-assessment tests through tests and quizzes and (4) an online discussion forum for clearing the doubts. Steps have been taken to enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology. In order to ensure that best quality content is produced and delivered, nine National Coordinators have been appointed. They are:

AICTE - (All India Council for Technical Education) for self-paced and international courses
NPTEL (National Programme on Technology Enhanced Learning) for Engineering
UGC (University Grants Commission) for non technical post-graduation education
CEC (Consortium for Educational Communication) for under-graduate education
NCERT (National Council of Educational Research and Training) for school education
NIOS (National Institute of Open Schooling) for school education
IGNOU (Indira Gandhi National Open University) for out-of-school students
IIMB (Indian Institute of Management, Bangalore) for management studies
NITTTR (National Institute of Technical Teachers Training and Research) for Teacher Training programme

SWAYAM—NPTEL
Local Chapter
Organizes

TEQIP-III Sponsored
MOOCs Awareness Workshop For Faculty

July 25, 2019

at
Guru Nanak Dev Engineering College, Gill Road, Gill Park, Ludhiana (Punjab)-141006
Website: www.gndec.ac.in

Brochure 2

"NBA awareness, MOOC Courses, Governance Practices, Academic Reforms & Placement Activities Workshop"

Under TEQIP-III

September 19, 2019
Jointly Organized by

Atal Bihari Vajpayee Govt. Institute of Engineering &Technology Pragatinagar, Shimla-171202 Himachal Pradesh, India

&

Guru Nanak Dev Engineering College Ludhiana, Punjab, India

ABOUT THE PROGRAMME

The program includes practices for implementation of NBA guidelines, MOOC courses, Governance, Academic reforms & Placement Activities.

NBA came into existence with the objectives of assurance of quality and relevance to technical education, especially of the programs in professional and technical disciplines, i.e., Engineering and Technology, Management, Architecture, Pharmacy and Hotel Management and Catering Technology, through the mechanism of accreditation of programs offered by technical institutions.

SAR Accreditation Criteria, Program level Criteria, Institute level Criteria, Course Outcomes (CO) & Program Outcomes (PO), Students' Performance, Rubrics development

Talk about what SWAYAM—MOOC is, the courses that are there, the formats, extra features such as text transcription etc. MOOC courses – what they are, how colleges can use them, statistics, etc.

TOPICS COVERED BUT NOT LIMITED TO:

➢ NBA guidelines
➢ MOOC courses
➢ Governance Practices
➢ Academic Reforms
➢ Placement Activities

ABOUT ABVGIET

Atal Bihari Vajpayee Govt. Institute of Engineering & Technology Pragatinagar, Shimla was established by Government of Himachal Pradesh vide notification no. EDN(TE)A(6)-1/2009 dated 14-03-2011 under Society Registration Act 1961. The institute is offering undergraduate program in Computer Science & Engineering and Electronics & Communication engineering, diploma in Computer Science & Engineering, Electronics & Communication engineering and Electrical Engineering and certificate in Draughtsman, Electronics, Electrical, fitter and motor Mechanics trade. As an Institute of State importance, ABVGIET Pragatinagar comprehends its responsibility of providing high quality education in Engineering and Technology to produce competent technical manpower for the country.

ABOUT GNDEC (Mentor institute)

Guru Nanak Dev Engineering College, one of the prestigious, oldest and minority institution of Northern India, was established under the aegis of Nankana Sahib Education Trust (NSET) in 1956. NSET was founded in the memory of the most sacred temple of Nankana Sahib, birth place of Guru Nanak Dev Ji. The main mission for establishing Guru Nanak Dev Engineering College was 'Removal of Economic Backwardness through Technology'. To fulfill this commitment, a unique admission criterion was adopted by NSET by reserving 70% seats for the students of rural areas. The College is affiliated with I.K.Gujral Punjab Technical University (IKGPTU), Kapurthala. The college courses are approved by AICTE, New Delhi.
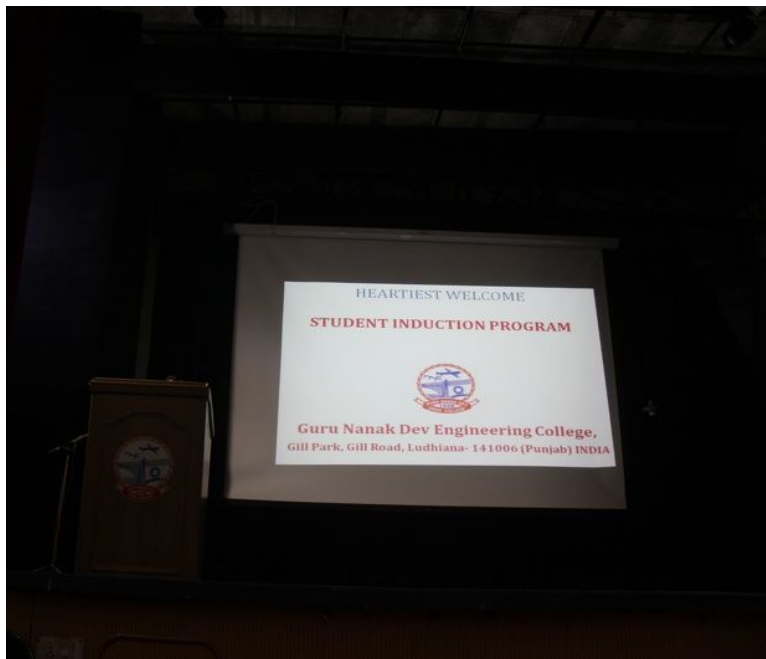
Glimpses

Glimpses

Glimpses

Media Coverage

Educational tour for GNDEC students

TRIBUNE NEWS SERVICE

LUDHIANA, AUGUST 10

An educational trip to the most contemporary knowledge park in greater Noida was organised for the students of mechanical and production engineering by Guru Nanak Dev Engineering College on Friday.

Prof Jatinder Pal, Prof Sukhjeet Singh and Prof Rupinder Kaur, Er Harjit Singh accompanied around 58 students to the site of Delhi Machine Tool Expo, where students were able to gather a lot of practical information about latest process plant and machinery tools, railways equipment, telecom equipment, automobiles accessories and many more.

The mechanical engineering students of final year and a few production engineering students were excited about the exposure they got from this visit.

Students of Guru Nanak Dev Engineering College during an educational tour of Greater Noida. TRIBUNE PHOTO

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05/08/2019 11:52am

CICU, GNDEC & Apex Cluster Development Services sign MoU to accelerate industry-academia interaction

CICU, GNDEC & Apex Cluster Development Services sign MoU to accelerate industry-academia interaction

Ludhiana, Aug 5 (KNN) Chamber of Industry and Commercial Undertakings (CICU), Guru Naka Dev Engineering College (GNDEC), and Apex Cluster Development Services have signed a Memorandum of Understanding

Mera Shimla, Mera Shimla : r...
https://epaper.divyahimachal.com

दिव्य हिमाचल

2/4

ABVGIET SHIMLA

उद्योग. अटल बिहारी वाजपेयी राजकीय अभियांत्रिकी एवं प्रौद्योगिकी संस्थान प्रगतिनगर में एक दिवसीय एनबीए कार्यशाला का आयोजन किया गया। जनसंपर्क अधिकारी डा. रीना शर्मा ने बताया कि इस कार्यशाला का आयोजन अटल बिहारी वाजपेयी राजकीय अभियांत्रिकी एवं प्रौद्योगिकी संस्थान प्रगतिनगर तथा गुरु नानक देव अभियांत्रिकी कालेज लुधियाना द्वारा संयुक्त रूप से टीईक्यू आई पी-3 प्रोजेक्ट के अंतर्गत किया गया। इसमें डा. बलविंदर सिंह धालीवाल, सहायक प्रो, ईसीई डा. लखवीर सिंह खत्रा, सहायक प्रो एम ई, डा. मनप्रीत सिंह, सहायक रजिस्ट्रार, डा. पंकज भांबरी, सहायक रजिस्ट्रार, गुरू नानक देव अभियांत्रिकी कालेज लुधियाना, ने संसाधन व्यक्तियों के रूप में शिरकत की। इस कार्यशाला में एनबीए जागरूकता, सूक्षिक विकास, संस्थान और विभागों के मिशन, पाठ्यक्रम तथा कार्यक्रम के परिणाम की सहभागिता पर विचार विमर्श किया गया। यह कार्यशाला संस्थान के छात्रों एवं ट्रेनिंग एंड प्लेसमेंट सेल के लिए अत्यंत ज्ञानवर्धक तथा उपयोगी रही। संस्थान के प्रधानाचार्य शेषनाथ सिंह ने कार्यशाला में आए हुए अतिथियों का धन्यवाद किया एवं कार्यशाला के सफल आयोजन पर संस्थान के प्रवक्ताओं को बधाई दी।

Plans

- Dr. R.M Vasan will join in Oct, 2019
- SRF for Joint R & D Project will join
- GATE Classes for final year students
- Appointment of Internal and Statutory Auditor
- HACKATHON is organized on 4-5th October, 2019

THANKS

TEQIP-III