

Innovations and Best Practices under TEQIP in respect of Participating Institutions of Haryana

1. Innovations (machines / devices / kits etc): (Developed during TEQIP period only)

Name of the Institution	Title of Innovation*	Uniqueness	Whether commercialized or not
Guru Jambheshwar University Hisar	1. Curl Tester	Low cost, made by students and acceptable to industry	Can be commercialised
	2. Flexographic machine model	-do-	-do-
	3. Shore Hardness Tester	-do-	-do-
YMCA Institute of Engg. Faridabad	Lab equipped with Modular bench kits	The institute has established sandwiched pattern of laboratories & Workshops (particularly specialization wise per each year course) so that maximum facility can be availed under one roof with minimum mobility	In Process, presently being processed for Enrolled students only
	Learning Resources	The Labs/ workshops have been established with most commercialized Learning resources as per & beyond Curricula to encourage students for research oriented projects	In Process, presently being processed for Enrolled students only
	Sophisticated equipments & Machineries	The state of art equipment & Machineries purchased for various labs/Workshops are being utilized to give in-house Industrial exposure. Lab practicals are being revised to enhance the effective usage of such equipments & Machineries	In Process, presently being processed for Enrolled students only
	Catalytic usage of Internally Generated Revenue by virtue of TEQIP	Due to need of development of various labs/workshops and part purchase under TEQIP, the grant received on other accounts have been utilized for better management and line balancing for usage of machineries & Equipment purchased under TEQIP	In Process, presently being processed for Enrolled students only

II, Best Practices: (Implemented during TEQIP period only)

Name of the Institution	Title of Best Practice	Short Description	Beneficiary* and their number	Significant Impact
Guru Jambheshwar University Hisar	1. Vermicomposting	Training Programme	Villagers (SC/ST) (total 65 in which 45 were males and 20 females)	Being adopted by villagers for pollution abatement and healthy yield
	2. e-Waste Management	-do-	Organised Sector (Industry), youth (200)	New approach to get rid of electronic waste
	3. Training (Foreign & India) of faculty and staff	-do-	Faculty and staff=22	To upgrade knowledge and training in the field
	4. Academic and cultural festivals (Kshitiz and Ice & Flames)	Academic Excellence	Students (1600)	Unique Academic festival
	5. Campus Wide Networking	-do-	University, faculty, staff and students (24 hours operation)	To provide internet access and computing facilities
	6. University Computer and Informatics Centre	-do-	University, faculty, staff and students (Open from 9.00 a.m. to 7.00 p.m.)	
	7. Lectures by eminent scholars	-do-	Faculty and students (Variable)	To discuss latest advances in the field and upgradation of knowledge
	8. Tracer studies of Alumni	-do-	Pass out students=70	To get the feedback on employability of passouts and relevance of curricula to market needs.
	9. State of the Art Laboratories	-do-	Faculty and students (600-700)	Better training for better placement and upgradation of labs with latest equipments
	10. Refurbishment of labs (partition and latest furniture)	-do-	Three departments	To provide conducive environment
	11. Laptops to faculty	-do-	Faculty=35	Easy access to latest information /sharing of knowledge
	12. Use of audio-video aids	-do-	Faculty and students (600)	Easy grasp of information

	13. Visit of students to other institutes	-do-	Staff and students=55	To share the infrastructure and human resource
	14. Academic visits to well performing institutes	-do-	Faculty (04)	Exchange of ideas
	15. Organisation of conferences and seminars	-do-	Faculty & students	Providing platform for exchange of idea in the related field
	16. Career Counselling	Service to Comm. & Economy (Counselling)	School children=400	Counselling of rural school children for pursuing technical courses.
	17. Awareness programmes (rallies, debates, competitions and stage performances)	-do-		Generating awareness about better environment
	18. Training in printing	-do-	Unemployed youth=50	Developing Skills and preparing rural youth to take up career in printing
	19. Counselling and Coaching for SC/ST students	Service to Comm. & Economy	SC/ST students (15)	For upliftment of SC students
DBCRUST Murthal	Reforms in administration. procedure	Steps in TA reimbursement reduced to the satisfaction of faculty	All faculty connected with TEQIP	Faculty satisfaction
	Tilt toward e-learning	Ample usage of LCD projectors for teaching and seminars	Faculty and staff	Better learning environment
	More computer usage	Easy availability of computers in departments		Better information transfer and usage

Kurukshetra University Kurukshetra	1. Sharing of Workshop facilities/ Labs of TEQIP institutions	The B. Tech. Students of IIE (USIC), K.U. Kurukshetra are utilising the workshops of Govt. Polytechnic, Nilokheri for workshop training	Every year 45 students.	1. Avoidance of multiplicity of facilities. 2. Exposure to latest technology not available at parent institution.
	2. Introduction of Credit based system	Credit based system has been introduced for the first time in two courses	All studnets of B.Tech and M. Tech Instrumentation of USIC	Flexible mode of Teaching and learning with constinuous assessment
	3. Introduction of e-learning system	e-Learning lab has been established in the university	All the studnets of three participating departments.	Easily and readily available study material.
	4. Multimedia facility in lecture	Lecture rooms in participating department have been fitted with multimedia facilities	300	Better and fast transfer of knowledge to the students.
	5 Video conferencing facility in Central computing lab.	A video conferencing system has been installed in the central computer lab. which is also connected to participating departments through LAN.	All Staff and students of the participating departments	1. Interactive interactions between different institutions. 2. Sharing of e –resources through LAN.
	6. Interaction with Industry	MOU’s has been signed with two Industries / Research Labs.	All Staff and students of the participating departments	1. Joint Training programs 2. Joint Research Collaborations through projects 3. Joint supervision for Ph.D. degrees and M.Tech Projects.
	7. Establishment of Alumni Association	Annual Alumni association meet every year where past students share their knowledge and experience.	Whole Institution	Through the regular contact with old students there is a continuous collaboration with Industries and institutions
YMCA Institute of Engg. Faridabad	1. Providing complete tool kits during Labs/Workshops	A complete tool kit is standardized to be provided for all the students during Workshops to improve their inhered skills	All UG/PG students (actual Intake)	Alumni of this Institute are reputed Entrepreneurs
	2. Online Evaluation of Practical examination	Some practicals are being conducted Online during Term end examination for the students who are far away on their Jobworks due to major assignment as given by their employer and cannot appear in the Institute for examination physically on those examination dates	All UG/PG students (actual Intake)	The Students are not hesitating to grab any employment opportunity (even abroad) even just at the end of their theory examination. Thus improving the placement record of the Institute
	3. Learn While you earn policy	M.Tech students are paid @Rs. 5000/- per month (only for Non-GATE students) to meet their expanses during study in lieu of which they have to take 4-6 hours of teaching/Lab work for Under-Graduate schemes	All PG students (actual Intake)	Better Intake in PG Courses

	4. Pursuing Higher studies	About 30 Staff/Faculty members are pursuing for higher studies as they get encouragement of Publication, paper presentation etc from TEQIP Grant- Staff Development Fund	Overall On Roll Faculty	More Qualified Faculty/Staff
	5. Better Interaction among networking Institutes	Due to some Joint projects of networking Institutions, like PhD Guidance, M.Tech thesis guidance, conduct of UG/PG practicals, Expert lectures, the faculty and Staff members are having better interaction among networking Institutions	Overall On Roll Faculty	This has lead to more scope of Research level meets and interactions between institutions even after TEQIP
	6. Scholarships	Apart of other scholarships, in the Institute, scholarships of Rs. 12000/- per month is being given for PhD pursuance. Now this amount have been enhanced to Rs. 18000/- per month	All UG/PG students (actual Intake)	Filled seats of PhD Scholars
	7. Wi-Fi enabled network in the Institute	In order to create academic environment in the Institute, The entire Campus is Wi-Fi Network enabled. More & More students are using this facility for their Online Resource material finding and other knowledge based items	All UG/PG students (actual Intake)	Students exposed to real engineering competitive environment
	8. Delegation of Powers	The Financial powers have been enhanced upto Rs. 1 Lac, Rs 10000/- at the level of Director and other HODs(d) respectively from earlier limits of Rs. 50,000/- and Rs. 2500/- only.	Staff/Faculty on roll	Decision making becomes easier and time delay reduced
	9. Filling up of vacant Posts	Due to impact of TEQIP, The Institute has been able to fill up Faculty level positions significantly than it was prior to TEQIP.	Staff/Faculty on roll	Teaching Learning process improved
	10. Accreditation of Courses	Due to facility& Infrastructure development in the Institute, the Institute is in a position of getting the accreditation of Courses due in February 2008.	All UG/PG students (actual Intake)	Institute repute will improve and its overall ranking
	11. Service to Community	13 courses have been conducted on account of service community in the area of their immense needs under TEQIP	268	More entrusted domain for society to interact with
	12. Conducting National Conference	The Institute has conducted a National Conference "TAME 2006" only in TEQIP as no such provisions were earlier made	Staff/Faculty on roll & All UG/PG students (actual Intake)	People all over the nation knew about this Institute and its strengths
	13. Tribal Development Plan	Several remedial classes for SC/ST students, personality Development programmes, extended book bank facilities have been created/conducted for weaker section students under TEQIP	All SC/ST students on roll	SC/ST student benefited
Govt. Polytechnic, Nilokheri	1. Induction Training Program	Induction Training Program for the newly admitted students is conducted regularly before the start of classes wherein expert lecture on communication skills, motivation, Time management etc were delivered.	1320 students	Increased motivation & level of the students awareness

2. Feedback from Students	Feedback from students is collected regularly in the mid of the semester is analyzed and communicated to the concerned teacher to further improve the teacher learning process.	2400	Improved teaching learning processes
3. Cooperative learning	The final year students are involved in the maintenance of laboratory and delivery of instructions to the students. This has been very helpful in developing certain characteristics of the students like teamwork, leadership etc.	150	Improvement in Communication Skills and leadership quality
4. Introduction of Uniform and Identity Cards	The uniform and identity cards systems have been introduced since last year and it has been very helpful in building the sense of discipline among them.	2400	Increased sense belongingness and discipline among students
5. Personal Counseling System	Personal counseling system was introduced where in a teacher has been assigned to a group of 15-16 students and he acts as Personal Counselor to them.	1400	Increased level of informal interaction among teachers & students
6. Remedial Classes	Remedial Classes are regularly conducted for the students of weaker section in areas of difficulty to them.	400	Improved performance of the students
7. Special Coaching to the Rural Students of the Area	Special orientation about the technical education and coaching classes are conducted for the students of the adjoining rural area who have studied in Govt. School located in villages.	150	Increased level of awareness about technical education
8. Use of Multimedia in delivering Quality Lectures	The institution has developed adequate computing infrastructure in terms of PCs, overhead projectors, LAN, Internet etc. for use by the faculty imparting quality education.	2400	Student friendly teaching learning process
9. Organizing self-development courses such as Meditation and Yoga	Various self development program such as Meditation and Yoga, stress management etc. are regularly organized for the students to help them in living a life full of joy.	300	Reduced level of stress and increased level of energy channalisation of students

10. Communication of progress of the students to their Parents	The progress (academic & attendance) of the students is regularly communicated to their parents and meeting with parents is held on regular basis.	2400	Well informed parents
11. Setting Up of Help Desk	Help desk has been set up at the entrance of the institute wherein two students are put on regular duty in rotation during working hours where in they address general public enquiry and guidance of the students.	150	Development of inter personal skills in students
12. Open Day for Future Aspirants	Open day was organized for the students of schools in vicinity to give their awareness about the technical education system in the country.	300	Increased level of awareness about technical education
13. Emergency Blood Donation Team	Data base of blood donors has been prepared at the institute to provide emergency services to the hospitals and communities located in the region.	200	Increased communities interactions and that with NGO,s