

**Minutes of 40th meeting (2nd Part)
of the Board of Management of
PEC University of Technology, Chandigarh
held on 06.06.2013 at 12.30 P M
in the Conference Hall, of PEC University of
Technology, Chandigarh.**

40.28	Special Chance for exercising option for pay fixation on promotion.	The Board did not approve the proposal.
40.29.1	<p>Any other item:</p> <p>Issues related to TEQIP-II</p> <ul style="list-style-type: none">(a) Internal Assesment workshop(b) Full Scale Academic Workshop(c) Performance Auditors Report(d) Five day international Study Tour	<p>The Board took note of (a) The report on Internal Review (Annexure 40.29.1.1), and (b) Outcome of Full Scale Academic Workshop (Annexure 40.29.1.2). The reports were accepted and the progress of TEQIP project at the Institute was found to be satisfactory. The department-wise work plan under TEQIP for the remaining period of the project, evolved during the Internal Review and Full Scale Academic Workshop was also approved by BoM (Annexures 40.29.1.3 and 40.29.1.2).</p> <p>The Board was apprised of the Performance Auditor's Report. The report on Table-5 on "Performance in Governance of Institution" with reference to points at S. No. 1(iv) "Has the governing body put in place suitable arrangement for monitoring the Head of institution's performance", and S. No. 2 (ii) "Does the Governing Body maintain and publicly disclose, a register of interest of members of its governing body?", were considered. The following decisions were made:</p> <p>1(iv) The Head of institution will make presentation to BoM once in a year on the progress made by the institute.</p>

	Mentor's suggestions to be discussed in BOM	<p>2 (ii) The information on BOM members will be included in Mandatory Disclosure on PEC Website.</p> <p>The Board also approved the proposal for five day international study tour (Annexure 40.29.1.4) with the following amendments:</p> <ul style="list-style-type: none"> i) At least 5 must young faculty members should be part of the tour. ii) Each of the remaining members of the team must have at least five more years of service left at PEC prior to superannuation. <p>Agenda item 40.5 (Progress Report on TEQIP-II Project till 31st March, 2013) which was pending, was not taken up separately in view of the latest status of TEQIP-II programme being presented under the current item. However, the issues raised and suggestions given by Mentor at S.No. 1 (C.2) and S.No. 3 (C.5) in the Supplement to Agenda Item No. 40.5 (Annexure 40.29.1.5) will be taken up in the next BOM meeting.</p>
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Certain confidential items were taken up thereafter, with only the Board Members present (Invitees were requested to leave), and their minutes are drawn up separately. All other items tabled as Current Agenda were deferred.

Meeting ended with a vote of thanks to the Chair.



PEC University of Technology

“Department Wise Institute Work Plan on TEQIP-II Activities”
(An outcome of internal Review held on 15th May, 2013)

Faculty Coordinator for TEQIP-II Key Activities									
Activities	Deptt. faculty Coordinator Nominated by the HoD								
	Aerospace	Applied Science	Civil	CSE & I.T	Electrical	E&EC	Mechanical	Materials & Metallurgy	Production
Enhancement of R&D and institutional consultancy activities	Prof. Rakesh Kumar	Dr. Satyendra Singh	-	Dr. rajesh Bhatia	Dr. Tilak Thakur	Dr. Amita Soni	Dr. S. K. Mangal	Dr. Uma Batra	Prof. Rahul O. Vaishya
Faculty and Staff development for improved competence based on TNA	Prof. Kishori Lal	Dr. Anju Singla	-	-do-	Prof. Raminder Kaur	Prof. Nagendra Sah	Dr. Manna (Faculty) Prof. Sanjeev Kumar (Staff)	Dr. Mamta Sharma	Prof. Rahul O. Vaishya
Enhanced interaction with Industry	Prof. T.K. Jindal	Dr. Harminder Kaur	-	Dr. Divya	Prof. Rintu Khanna	Dr. Neelam. R. Prakash	Prof. P.S. Satsangi	Prof. R.K. Mahajan	Dr. R. M. Belokar
Academic support for weak students	Prof. T.K. Jindal	Dr. Sucheta	-	Dr. Rajesh Bhatia	Prof. Tajinder Singh Saggar	Dr. Neelu Jain	Prof. Ankit Yadav	Prof. J.D. Sharma	Dr. Suman Kant

Form1a: Enhancement of R&D and Institutional Consultancy Activities					
Sr. No.	Departments	No. of Conferences, Seminars and Expert Lectures Organized in the thrust areas			
		Targets	Achieved	Work Plan	
				2012-13	2013-14
	Institute	10	4	2 per Deptt.	1 per Deptt.
1	Aerospace	1	1	1	1
2	Applied Science	1		2	2
3	Civil	1		-	-
4	CSE & I.T	1+1		2	2
5	Electrical	1		2	2
6	E&EC	1		2	2
7	Mechanical	1		2	1
8	Materials & Metallurgy	1	2	2	1
9	Production	1	1	2	1

Form1b: Enhancement of R&D and Institutional Consultancy Activities					
Sr. No.	Research Group	No. of Conferences, Seminars and Expert Lectures Organized in the thrust areas			
		Targets	Achieved	Work Plan	
				2012-13	2013-14
	Institute	20	9		
1	Pulse Detonation	1		1	1
2	Green Chemistry and Catalysis	1		1	1
3	Geological Remote Sensing	1		1	1
4	High Performance Concrete	1		-	-
5	Environment Engineering: Ground Water Pollution due to polluted drains	1		-	-
6	Information Security Research Group	1		1	1
7	Power System: Green Power – Renewable Energy Integration in the smart electricity grid	1	1	1	1
8	Microcontroller based System	1		-	-
9	Wireless Design and Planning in the field of Wireless Communication	1		1	1
10	Digital Design (VLSI)	1	1	1	1

Form1c: Enhancement of R&D and Institutional Consultancy Activities					
Sr. No.	Research Group	No. of Conferences, Seminars and Expert Lectures Organized in the thrust areas			
		Targets	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	20	9		
11	Data Mining	1	1	-	-
12	Biomaterials	1	1	1	1
13	Nano Materials: Synthesis and Characterization	1	1	1	1
14	Aerodynamic	1		1	1
15	Nano Structures of Functional Materials	1	1	1	1
16	Micro Financing	1		1	1
17	Traffic and Transport Planning	1	1	1	1
18	Photonic Systems and Network Design	1	2	1	1
19	Mechatronics	1		1	1
20	Micro & Advanced Manufacturing Processes	1		1	1
21	Human Engineering			1	1
22	Advanced Manufacturing Processes			1	1

Form2: Enhancement of R&D and Institutional Consultancy Activities					
Sr. No.	Departments	Visit to Industries, Research Organization for enhancing Collaboration, securing R&D projects			
		Targets	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	10	3	10	10
1	Aerospace	1	1	1	1
2	Applied Science	1		1	1
3	Civil	1		-	-
4	CSE & I.T	1+1	2	2	2
5	Electrical	1		1	1
6	E&EC	1		1	1
7	Mechanical	1		1	1
8	Materials & Metallurgy	1		2	1
9	Production	1		1	1

Form3: Enhancement of R&D and Institutional Consultancy Activities					
Sr. No.	Departments	No. of Research Projects taken by UG Students			
		Targets	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute		Nil	10 (as per work plan submitted to NPIU)	10 (as per work plan submitted to NPIU)
1	Aerospace			-	-
2	Applied Science			-	-
3	Civil			-	-
4	CSE & I.T			-	2
5	Electrical			1	1
6	E&EC			-	-
7	Mechanical			1	2
8	Materials & Metallurgy			1	1
9	Production			1	1

Form 4: Enhancement of R&D and Institutional Consultancy Activities						
Sr. No.	Departments	No. of Research Publications in Engineering in refereed journals				
		Achieved	Achieved	Under way	Work Plan	
		2010-11	2011-12	2012-13	2013-14	2014-15
	Institute	82	75	Target 79-83	1 paper per faculty per year	
1	Aerospace	8	5		4	4
2	Civil	1	4		-	-
3	CSE & I.T	9+2	5+13		17	15
4	Electrical	10	3		14	14
5	E&EC	14	13		14	14
6	Mechanical	21	24		36	40
7	Materials & Metallurgy	8	5		8	10
8	Production	11	7		8	8

Form 5a: Enhancement of R&D and Institutional Consultancy Activities					
Sr. No.	Departments	Fiscal incentive to students that voluntarily associate with research groups/Deptt in research projects			
		Target	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	20 Students Annually	5	At least 2 students /Deptt/Year	
1	Aerospace			-	-
2	Applied Science			-	-
3	Civil			7	7
4	CSE & I.T			1	1
5	Electrical			2	2
6	E&EC			-	-
7	Mechanical			2	2
8	Materials & Metallurgy			2	2
9	Production		2	2	2

Form5b: Enhancement of R&D and Institutional Consultancy Activities				
Sr. No.	Research Group	Fiscal incentive to students that voluntarily associate with research groups		
		Achieved	Work Plan	
		2012-13	2013-14	2014-15
1	Pulse Detonation		2	2
2	Green Chemistry and Catalysis	2	2	2
3	Geological Remote Sensing		-	-
4	High Performance Concrete		-	-
5	Environment Engineering: Ground Water Pollution due to polluted drains		7	7
6	Information Security Research Group		2	2
7	Power System: Green Power – Renewable Energy Integration in the smart electricity grid		1	1
8	Microcontroller based System		-	-
9	Wireless Design and Planning in the field of Wireless Communication		1	1
10	Digital Design (VLSI)		1	1

Form 5c: Enhancement of R&D and Institutional Consultancy Activities				
Sr. No.	Research Group	Fiscal incentive to students that voluntarily associate with research groups		
		Achieved	Work Plan	
		2012-13	2013-14	2014-15
11	Data Mining			
12	Biomaterials	1	1	1
13	Nano Materials: Synthesis and Characterization		-	-
14	Aerodynamic		2	2
15	Nano Structures of Functional Materials	2	2	2
16	Micro Financing		2	2
17	Traffic and Transport Planning		2	2
18	Photonic Systems and Network Design		1	1
19	Mechatronics		1	1
20	Micro & Advanced Manufacturing Processes		1	2
21	Human Engineering		1	1
22	Advanced Manufacturing Processes		1	1

Form6: Enhancement of R&D and Institutional Consultancy Activities					
Sr. No.	Departments	Students conference grant			
		Target	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	30 annually	4	3 UG/PG/PhD students /Deptt/year	
1	Aerospace			2	2
2	Applied Science		1	3	3
3	Civil			3	3
4	CSE & I.T			4	4
5	Electrical			3	3
6	E&EC			3	3
7	Mechanical			4	5
8	Materials & Metallurgy			3	3
9	Production		3	3	3

Form7: Faculty Development Programme					
Sr. No.	Departments	Qualification Up-gradation M.Tech to Ph.D			
		Faculty Enrolled for PhD	Completed	Work Plan	
			2012-13	2013-14	2014-15
	Institute	26 Enrolled (Target =4 completed , as per IDP)	3		13
1	Aerospace			-	-
2	Applied Science	2		-	2
3	Civil	4		3	1
4	CSE & I.T	1	1	1	1
5	Electrical	5		1	1
6	E&EC	6		1	2
7	Mechanical	5	1	1	1
8	Materials & Metallurgy	1	1	-	-
9	Production	2		-	2

Form8: Faculty Development Programme					
Sr. No.	Departments	Subject knowledge Training by participation in STC/CEP			
		Targets	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	25 as per IDP	10 from TEQIP Funds + 37 from institute funds	STC/CEP: 1 per faculty during TEQIP-II project	
1	Aerospace			2	2
2	Applied Science			10	10
3	Civil			10	10
4	CSE & I.T		1	8	9
5	Electrical		3	5	5
6	E&EC		2	5	6
7	Mechanical		1	10	10
8	Materials & Metallurgy		2	4	4
9	Production		1	5	5

Form9: Faculty Development Programme					
Sr. No.	Departments	Subject knowledge Training by participation in Seminar/Conference/workshop			
		Targets	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	25 as per IDP	10 from TEQIP Funds + 37 from institute funds	Seminar/Conference/workshop: As per need of faculty	
1	Aerospace			1	1
2	Applied Science			10	10
3	Civil			-	-
4	CSE & I.T		1	4	4
5	Electrical		3	7	8
6	E&EC		2	7	7
7	Mechanical		1	7	8
8	Materials & Metallurgy		2	2	2
9	Production		1	4	4

Form10: Faculty Development Programme					
Sr. No.	Departments	Management and administrative capacity enhancement programmes			
		Targets	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	18 as per IDP	3+1(Dir) +3 nominations for June'13	HoD:1 each & DD, Deans, Associate Dean, Registrar, 10 other functionaries: 1 each	
1	Aerospace			1	-
2	Applied Science			1	1
3	Civil			2	2
4	CSE & I.T			1	-
5	Electrical		1	1	2
6	E&EC			1	1
7	Mechanical			1	1
8	Materials & Metallurgy			-	1
9	Production		2	1	-
10	Others: DD, Deans, Registrar, 10 other functionaries			5	5

Form 11:Faculty Development Programme					
Sr. No.	Departments	Improving competence in Research & Consultancy linkages with Institution/ Industry			
		Targets	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	12 as per IDP	1 visit	At least 1 per Deptt/Year	
1	Aerospace		1 visit	1	1
2	Applied Science			1	1
3	Civil			-	-
4	CSE & I.T			2	1
5	Electrical			1	1
6	E&EC			1	1
7	Mechanical			1	1
8	Materials & Metallurgy			1	1
9	Production			1	1

Form 12:Faculty Development Programme					
Sr. No.	Departments	Organizing in-house subject Training Programmes (STCs/CEPs)			
		Target	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute		5+1(Institutional level)	1 per department during Project Tenure	
1	Aerospace		1	-	1
2	Applied Science			-	1
3	Civil			-	-
4	CSE & I.T		2	1	1
5	Electrical		1	1	1
6	E&EC			-	1
7	Mechanical		1	2	2
8	Materials & Metallurgy			-	1
9	Production			1	1

Form13a: Staff Development Programme (Technical Staff)					
Sr. No.	Departments	Operation and Maintenance of Machines & Equipment, Upkeep of Institute Services, Advanced Knowledge in Occupational areas, Motivational/Attitudinal Development Programmes			
		Targets	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	12	Nil		
1	Aerospace			-	-
2	Applied Science			-	-
3	Civil			-	-
4	CSE & I.T			1	1
5	Electrical			1	2
6	E&EC			1	1
7	Mechanical			1	1
8	Materials & Metallurgy			1	1
9	Production			1	1

Form13b: Staff Development Programme (Ministerial Staff)					
Sr. No.	Departments	Office Procedures, Financial and Purchase rules, RTI and other Legal Matters, maintenance of records and other functional areas, Use of Modern Office Equipment, Software, Office Automation, Motivational/Attitudinal Training/Communication Skills etc.			
		Targets	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	11	51		
1	Aerospace			-	-
2	Applied Science			-	1
3	Civil			-	-
4	CSE & I.T			-	-
5	Electrical			1	1
6	E&EC			-	-
7	Mechanical			2	2
8	Materials & Metallurgy			As planned at Institute level	
9	Production			1	1
10	Registrar			20	20

Form 14: Enhanced Interaction with Industry					
Sr. No.	Departments	Industry Institute interaction : Facilitating the industry for frequent interaction with the institute /students/faculty.			
		Targets	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute		2	1 Industry- Institute interaction event/ Deptt./Semester During "PEC-Industry Linkage Weak"	
1	Aerospace			-	-
2	Applied Science			-	-
3	Civil			-	-
4	CSE & I.T		2	1	1
5	Electrical			1	1
6	E&EC			1	1
7	Mechanical			2	2
8	Materials & Metallurgy			1	1
9	Production			1	1

Form 15: Enhanced Interaction with Industry					
Sr. No.	Departments	Alumni / Industry Expert Lecture			
		Target	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute		2	3 Industry Expert lecture/ Deptt./Semester During "PEC-Industry Linkage Weak"	
1	Aerospace			6	6
2	Applied Science			2	2
3	Civil			-	-
4	CSE & I.T			5	6
5	Electrical			6	6
6	E&EC			6	6
7	Mechanical			3	3
8	Materials & Metallurgy		1	6	6
9	Production		1	6	6

Form 16: Academic support for weak students					
Sr. No.	Departments	Conducting specialized soft skills and professional skills development training during semester breaks and vacations (preferably starting from 5th semester onwards) for increasing employability			
		Target	Achieved	Work Plan	
			2012-13	2013-14	2014-15
	Institute	Batch wise courses of 30 hrs duration in group of 25-30 students	74	120	120
1	Aerospace			10	10
2	Applied Science			-	-
3	Civil			-	-
4	CSE & I.T			-	-
5	Electrical			10	10
6	E&EC			-	-
7	Mechanical			10	10
8	Materials & Metallurgy			10	10
9	Production			10	10

Form 17: Academic support for weak students					
Sr. No.	Departments	Finishing School : Conducting high intensity training for development of soft and professional skills in the students that graduate but fail to secure any employment			
		Targets	Achieved	Work Plan	Work Plan
			2012-13	2013-14	2014-15
	Institute	Nil	All 3 rd Yr U.G & 2 nd Yr P.G students	All 3 rd Yr U.G & 2 nd Yr P.G students	All 3 rd Yr U.G & 2 nd Yr P.G students
1	Aerospace			1	1
2	Applied Science			-	-
3	Civil			-	-
4	CSE & I.T			-	-
5	Electrical			1	1
6	E&EC			-	-
7	Mechanical			4	8
8	Materials & Metallurgy			1	1
9	Production			1	1

Form- I

Institutional (Internal) Full-Scale Academic Workshop under TEQIP-II

Activity 1 - Established/Establishing tie-ups with IITs/NITs

S. No.	Department	Name of Activity which will be undertaken by the Department				Name of faculty coordinator for this activity
		Number of Half Day workshops to be conducted by IIT experts for faculty per year		Number of Expert lectures by IIT experts for students per subject or area per year		
		Work Plan		Work Plan		
		2013-14	2014-15	2013-14	2014-15	
1	Applied Science	1	1			Dr. Harminder Kaur
2	Aerospace Engineering	2	2	4	4	Dr. Rakesh Kumar
3	Civil Engineering					
4	CSE & IT	2	2	4	4	Prof. Rajesh Bhatia
5	Electrical Engineering	2	2	4	4	Prof. Shiv Narayan
6	Electronics & Electrical Communication			2 to 3	2 to 3	Mr. Sukhwinder Singh
7	Mechanical Engineering	1	1	3	3	Dr. Alakesh Manna
8	Materials & Metallurgy Engineering	4	4	2	2	Dr. Uma Batra
9	Production Engineering	1	1	4	4	Dr. N.M. Suri

Form- II

Institutional (Internal) Full-Scale Academic Workshop under TEQIP-II

Activity 2: Academic Linkages with Industry

S. No.	Department	Name of Activity which will be undertaken by the Department				Name of faculty coordinator for this activity
		Number of ME thesis in collaboration with industry per year		Number of Short term program with industry/ one Industry week per department per semester including 3 to 5 expert lectures for students in classes		
		Work Plan		Work Plan		
		2013-14	2014-15	2013-14	2014-15	
1	Applied Science					
2	Aerospace Engineering			3 Expert Lectures	3 Expert Lectures	Dr. T.K. Jindal
3	Civil Engineering					
4	CSE & IT	2	2	1	2	Prof. Divya
5	Electrical Engineering	2	2	1 STP*	1 STP*	Dr. Rintu Khanna
6	Electronics & Electrical Communication	3	3	1	1	Dr. Neelam R. Prakash
7	Mechanical Engineering	3	3			Dr. P.S Satsangi
8	Materials & Metallurgy Engineering	1	1	1 STP* + 3 Alumni/ Expert Lectures	1 STP* + 3 Alumni/ Expert Lectures	Mr. R. K. Mahajan
9	Production Engineering	2	2	1 per year	1 per year	Dr. R. M. Belokar

*STP: Short Term Program

Form- III

Institutional (Internal) Full-Scale Academic Workshop under TEQIP-II

Activity 3: Faculty Training (subject domain, pedagogical training, management)

S. No.	Department	Name of Activity which will be undertaken by the Department						Name of faculty coordinator for this activity
		Subject Domain Training (Number of faculty members)		Pedagogical Training (Number of faculty members)		Management Training (Number of faculty members)		
		Work Plan		Work Plan		Work Plan		
		2013-14	2014-15	2013-14	2014-15	2013-14	2014-15	
1	Applied Science	10	10	2	3	1	1	Dr. Anju Singla
2	Aerospace Engineering	2	2	1	1	1	0	Dr. Kishori Lal
3	Civil Engineering	10	10	4	3	2	2	
4	CSE & IT	8	9	2	3	1	0	
5	Electrical Engineering	5	5			1	2	Dr. Raminder Kaur
6	Electronics & Electrical Communication	5	6	2	3	1	1	Mr. Nagender Sah
7	Mechanical Engineering	10	10			1	1	Dr. Sanjeev Kumar
8	Materials & Metallurgy Engineering	4	4	2	1	1	0	Dr. Mamta
9	Production Engineering	5	5			1	0	Mr. Rahul Vaishya

*STC: Short Term Course

**Conference/Seminar/workshop

Form- IV

Institutional (Internal) Full-Scale Academic Workshop under TEQIP-II

Activity 4: Virtual Classrooms

S. No.	Department	Name of Activity which will be undertaken by Department		Name of faculty coordinator for this activity
		Number of courses to be taught in virtual classroom		
		Work Plan		
		2013-14	2014-15	
1.	Applied Science		1	Dr. Sucheta
2.	Aerospace Engineering	1	1	Dr. T K Jindal
3.	Civil Engineering			
4.	CSE & IT		1	Prof. Rajesh Bhatia
5.	Electrical Engineering	1	1	Dr. Dheeraj
6.	Electronics & Electrical Communication	1	1	Ms. Rita Mahajan
7.	Mechanical Engineering	4	4	Mr. Rajesh Kanda
8.	Materials & Metallurgy Engineering			
9.	Production Engineering	1	1	Dr. Suman Kant

Form- V

Institutional (Internal) Full-Scale Academic Workshop under TEQIP-II

Activity 5: Finishing School and Student Support Programs

S. No.	Department	Name of Activity which will be undertaken by Department		Name of faculty coordinator for this activity
		Work Plan		
		2013-14	2014-15	
1.	Applied Science			Dr. Anju Singla
1.	Aerospace Engineering	1	1	Dr. T K Jindal
2.	Civil Engineering			
3.	CSE & IT			
4.	Electrical Engineering	1	1	Mr. Tejinder Singh
5.	Electronics & Electrical Communication			Dr. Neelu Jain
6.	Mechanical Engineering	4	8	Dr. Sanjeev Kumar
7.	Materials & Metallurgy Engineering	1	1	Mr. J D Sharma
8.	Production Engineering	1	1	Dr. R M Belokar

NOTE: These finishing schools in Technical skill are in addition to the finishing schools organized for 3rd year UG and 2nd year PG students annually.