

**PUNJAB TECHNICAL UNIVERSITY**  
**JALANDHAR**  
**SUPPLEMENTARY AGENDA**  
**45<sup>th</sup> MEETING**  
**BOARD OF GOVERNORS**



**AT**  
**PUNJAB CIVIL SECRETARIAT, CHANDIGARH**

**ON**  
**21<sup>st</sup> Dec, 2011 AT 12:15 P.M.**

## SUPPLEMENTARY AGENDA

### Item No. 45.18.1 To appoint Standing Counsel for the University

It is proposed that Standing Counsel for the University may please be appointed. For this purpose, it is proposed that a Search Committee be constituted.

The matter is placed before the Board for consideration.

### Item No. 45.18.2 Award of Ph.D. Degree

The following candidates have completed the final viva of Ph.D. after the meeting of the Academic Council dated 08.11.2011:

Sr No	Regd No.	Name	F Name	College/ Institute	Speciali- zation	Title of Thesis
1	07.06.04	Mr. Anuj Kumar	Sh. Bhagwan Dass	LRDAV College, Jagraon	Applied Math	Stability and Bifurcation Analysis of Plankton Dynamics in Homogeneous and Heterogeneous Environment
2	03.18.06	Sunain Katoch	Sh. Ramesh Chand Katoch	SLIET, Longowal	Applied Chemistry	Nano Composite from Depolymerized PET waste for Food Packaging Application
3	11.49.07	Ms. Shweta Gupta	Sh. Sardan Lal Aggarwal	Apeejay Institute of Management, Jalandhar	Management	Management Considerations & Factors Affecting Dividend Decisions – A Study of Selected Companies in India
4	12.27.07	Ms. Geeta Aggarwal	Sh. Kailash Chand Mangal	Royal Institute of Pharmacy, Raimajra	Pharmacy	Transdermal Delivery of Newer Atypical Antipsychotics
5	05.37.08	Ms. Mansi Chitkara	Dr. A.K. Chitkara	CIET, Rajpura	Mech. Engg.	Synthesis & Characteriza of Semiconductor Nanomaterials
6	12.53.09	Mr. Sunil Kumar	Sh. Ram Sagar Yadav	ISF, College of Pharmacy, Moga	Pharmacy	a) Synthesis of Bio Active Molecules Based on Colchicine Microtubules binding sites. b) Chemical Investigaton of Piper Atternuatum Family Piperaceae
7	12.51.09	Mr. Sameer Sapra	Sh. Gobind Lal Sapra	ISF, College of Pharmacy, Moga	Pharmacy	a) Utilization of Terpenoids and allied Molecules for Value Added Products. b) Comparative Study of Colchicine bearing Plants

The case is put up to Board for approval.

### Item No. 45.18.3 Implementation of Tele Education solution for Punjab Technical University for the benefit of its students.

University plans to implement Tele Education Solution. In this regard, a presentation was given by M/S Telecommunications Consultants India Limited (TCIL) is an IS/ISO 9001:2007 and ISO/IEC 27001:2005 Certified, Government of India Enterprise under the administrative control of the Department of Telecommunications (DOT), Ministry of Communications and Information Technology. TCIL undertakes consultancy and turnkey projects for setting up of

network infrastructure in the field of Telecom and IT using its vast expertise of design and development of solutions involving Telecom, IT, Software Application Systems and Technologies. Presently, TCIL is operating in more than 50 countries all over the world.

**Advantages of project:**

The same project has already been implemented in PAN Africa by the Govt. India through TCIL and lot of other universities and leading hospitals have already been connected to this facility. Keeping in view the PAN India presence of PTU, this will help in imparting quality education to the students of PTU in a cost effective manner. Also it will help in improving the global visibility of PTU.

This project, if approved shall be implemented in two phases. In its first phase, 01 data center (PTU Main Campus), 03 studios (Jalandhar, Mohali, Bathinda) and 13 Remote Learning Centers (Kapurthala, Khuni Majra, Mansa, Ferozepur, Rajpura, Sultanpur Lodhi, Amritsar, Bhikhiwind, Dina Nagar, Batala, Hoshiarpur, Fatehgarh Sahib, Moga, Bathinda) shall be established. Draft Report is attached as **Annexure A**.

The tentative cost for implementing this project is approximately 11 crores. Rest of locations shall be covered in 2nd phase of this project.

The matter is placed before the Board for consideration please.

**Item No. 45.18.4 To approve the Minutes of the 30<sup>th</sup> Meeting of the Standing Building Construction Committee held on 19.12.2011**

The 30<sup>th</sup> meeting of the Standing Building Construction Committee PTU was held on 19.12.2011 under the Chairmanship of Dr. R. S. Khandpur, Director General, PGSC in his office at Chandigarh.

The agenda along with the minutes of the meeting are placed at **Annexure B**.

The matter is placed before the Board for consideration and approval.

**Item No. 45.18.5 Approval of allowances to the faculty members appointed for PITs as per the norms of Punjab Government.**

The Board of Governors in its 42<sup>nd</sup> meeting held on 01.3.2011 vide agenda item no. 42.4 approved the proposal of establishing PITs in the State of Punjab. On the recommendations of the Human Resource Committee meeting held on 18.1.2011, the Board of Governors in its 42<sup>nd</sup> meeting held on 01.03.2011, approved that qualification and payscale of faculty members appointed for PITs be as per IIT norms.

The University has recruited faculty members for the PIT Kapurthala, PIT Mansa, PIT Nandgarh. It is proposed that payscale to these faculty members will be as per IIT norms but the allowances admissible to them will be paid as per the norms of Punjab Government.

The matter is placed before the Board for consideration.

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**Item No. 45.18.6 Extension in deputation period of Dr. H.S. Bains, Registrar**

Dr. H.S. Bains was appointed in this University on the post of Registrar for the period of three years consequent upon the approval of the Board of Governors in its 37<sup>th</sup> meeting held on 11.2.2010. He joined this University on 23.2.2010 on deputation from SLIET Longowal for a period of one year. The term of deputation was extended for another period of one year w.e.f 23.2.2011 vide office order no. 10391-97 dated 4.2.2011 received from SLIET Longowal.

Now the term of deputation of Dr. H.S.Bains Registrar has been extended w.e.f 23.2.2012 for further period of one year with reference to the office order no. Reg/8296-8303 dated 13.12.2011 received from SLIET Longowal on existing terms and conditions. The Office order to this effect has been issued by the University vide order no. PTU/DR/3515 dated 19.12.2011.

The matter is placed before the Board for information.

**Item No. 45.18.7 Transfer of Land for establishment of Institute of Food Technology and research at Sanghera (Barnala) of Punjab Technical University Jalandhar**

The Commissioner department of Technical Education with reference to Memo No. 1/2/2010-Tech 1/Civil/537 dated 2.12.2011 vide Para No. 3 requested the University to furnish agreement for:

1. Reservation of five seats in the new proposed institute for the students of Guru Gobind Singh Trust Sanghera.
2. To furnish an FDR for an amount of Rs. One Crore. The interest earned on this FDR will be used by Guru Gobind Trust Sanghera for the development of Guru Gobind Singh College.

The matter is placed before the Board for deliberations please.

**Item No. 45.18.8 Evaluation of Distance Education Programme and Extension in terms of Regional Centres.**

The term of Regional Centres of 12 zones (with 2.5 years term) expired on 27<sup>th</sup> February, 2010. The case for their extension alongwith their appraisal report was put up in BOG vide Item No. 43.15 in 43<sup>rd</sup> BOG meeting held on 02.06.2011. Board after considering the proposal approved adhoc extension for these regional centres till March 31<sup>st</sup>, 2012 and ***desired that the report of the third party evaluation be submitted by 31<sup>st</sup> July, 2011.***

Order for third party evaluation of Distance Education Programme of PTU was given to EDCIL vide letter No. PTU/REG/18640 dated 08.09.2010. The EDCIL has now submitted the draft

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report. A summary of recommendation of draft report is placed at **Annexure-C**. The main policy recommendation of this report is as under:

1. The name and fame of PTU is very important. In order to ensure that this is not damaged, further expansion of LCs may be mapped properly based on the geographical location and conditions. We recommend that other than RC recommendation for expansion, the university should also nominate third party agencies to review the proposal and facilities on the spot and send their recommendations independently to PTU. There should be a concept of annual periodical review of working LCs by third party. There should also be a comprehensive review in every three years period.
2. Besides annual review of RCs there is need for comprehensive review of working of RCs by a third party agency every three years.
3. It is strongly recommend that for each 150 centres of a stream, the RCs must have a separate administrative office for proper control and functioning of the centres.
4. PTU should initiate the process of internal quality assurance of DEP program. An internal quality assurance unit may be set up to ensure quality of DEP.
5. PTU should periodically inspect the Regional Centres and Learning Centres. It is recommend that Financial Audit should be introduced in the system to meet the financial obligations of the University.
6. University has been able to mobilize substantial funds through DEP. It is, therefore, possible for PTU to spend resources on academic aspects of program, improved system of examination and training of personnel engaged in delivery and management of DEP. It can also spend resources on development of print and e-learning resources for DEP. A system of delivery through internet and "edusat" may also be explored and put in place in next three years. Web portal should enable students to view e-learning material, profile and status of each of students. This portal should also have a feedback and grievance redress system so that students can air their problems and seek solutions of the same.

Following issues are for the consideration of BOG:

1. Draft report of third party evaluation of Distance Education Programme submitted to the university by M/S EdCIL.
2. The appraisal report of above 12 zones which was kept pending by BOG in the absence of third party evaluation of Distance Education Programme.
3. The term of Regional Centres of 20 zones (with 5 years terms) is also expiring on 27.08.2012. The appraisal of these zones has also been conducted by a Committee constituted by the University.

**Item No. 45.18.9 Status report of Opening of Learning Centres overseas under Distance Education Programme.**

The Board has allowed to open learning centres of PTU overseas in its 39<sup>th</sup> meeting on the similar lines the other Universities has opened the learning centres. Subsequently a Committee has been constituted under the Chairmanship of Dr. R. S. Khandpur to work out the modalities and other aspects related to opening of these LC's. As per the recommendations of the Committee LOI was issued to the applicants after inspecting their

premises and agreement has been signed. While considering the proposal vide BOG Item No. 43.16, the Board has taken the following decision:

***"The Board decided that specific guidelines of Govt. of India with regard to opening of Learning Centres overseas be obtained and the matter be put up in next BOG meeting."***

Accordingly a letter was sent to the Distance Education Council (IGNOU). In response to our letter, reply has been received from DEC vide letter No. DEC / PTU / Punjab / 11 dated 01.12.2011 **Annexure-D**. The content of the said reply are reproduced below:

*"It is to bring to your attention that as per the policy of the Distance Education Council on the territorial jurisdiction for offering programmes through distance mode is concerned, the Distance Education Council in its 35<sup>th</sup> meeting noted that distance education and online education cannot have the Territorial jurisdiction. In case of Central Universities and the State Universities, the Territorial jurisdiction will be as per their Acts and Statutes for offering programmes through distance mode. The Territorial jurisdiction in case of Deemed Universities will be as per UGC, which mandates the prior approval of the UGC for opening Centres/off campus Centres outside the Headquarters. The Territorial jurisdiction in case of Private Institutions (other than Universities) will be as decided by the Joint Committee.*

***As far as the policy on Indian Institutions offering programmes through distance mode in foreign countries is concerned, the Distance Education Council has no such policy on date."***

*There are no specific guidelines for opening of learning centres (overseas) of Distance Education Council (IGNOU) which is a statutory body for Distance Education in India.*

Accordingly we have allowed Learning Centres in Nepal and Bangladesh to offer courses of PTU through Distance Education programme subject to fulfillment of the requirements of their local government, wherever it is applicable. As the BOG of PTU has allowed to open these learning Centres of PTU overseas in its 39<sup>th</sup> meeting, University now proposing to open the centres in Central Asia, Sri Lanka, Vietnam and other countries on case to case basis and on the specific request of the institutions of these countries.

The matter is placed before the Board for information.

**Item No. 45.18.10 Proposal for establishing research centre in Manufacturing & Material Technology.**

University is as good as its research activates. PTU was established in year 1997 and it has completed 14 years. It has made progress in making reforms in Academic, Examination and Distance Education and E-governance. It is time that we give importance to the research activities. PTU has established a school of Manufacturing and Material Technology. Making the school as a research centre in Manufacturing Technology and establish an infrastructure and core research team to rejuvenating Punjab Industries.

*Pradeep*

Punjab Machine Tools were at helm of affairs few years back. Ludhiana small scale industries were capable of making any type of machine including CNC machines. The Theme of making Punjab a hub of manufacturing technology remained as dream. Punjab Technical University can make the dream a reality.

Following research areas to be considered depending upon the availability of researchers:

- a) Rapid prototyping and near net shape manufacturing
- b) More accurate grinding machine
- c) Nanotechnology & nano-manufacture (Molecular manufacturing)
- d) Advances in coating technologies ( A core faculty available)
- e) Semisolid metal working.
- f) Machine Tools Metrology.

The Research Centre should be established with the Industrial Partner (Hero Honda) or Mittal Refinery or any other willing partner.

The initial cost of infrastructure will be around 50 crores. The Research Centre should also have a Consultancy Wing to solve the problem of industries.

The Research Centre should also have Entrepreneurship Wing to support young entrepreneurs.

In order to get competent researcher, we may start a scheme to employ the faculty from IITs, IISc and NITs beyond age of 65 years if medically fit at consolidated pay in addition to pension. The faculty will be in a position to move to the Research Centre after 65 years of age.

The item is proposed for its approval in principle. The final detailed proposal will be submitted in the next meeting of Board of its approval.

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