

ATR (Action Taken Report) of IIT Patna

with reference to IIT Council meeting held on 6.10.2015 at IIT Bombay

Agenda Item	Comments / ATR from IIT Patna
Item No. 49.21 Proposal for Common Counseling for admission to M.Tech programme of IITs and IISc	Comments : 1. As GATE is the common entrance test for admission to M.Tech programme of IITs and IISc, it is a good suggestion to have a common counseling like JEE. But, unlike B.Tech programme in IITs, there are various categories of student admission in M.Tech Programmes viz. Part time, sponsored, self financed, external etc. It should be discussed broadly how to tackle this issue of admitting the other category students except regular full time students. 2. Will there be any further interview after the common counseling? Or else it is the final admission to that particular institute. Some time interview process helps in identifying good candidates interested towards a particular field of research. 3. Common counseling will help students more regarding their choice of admission to an institute at a time. There is no need of travelling one institute to other for the admission. It's a major advantage lies towards the students appearing in GATE.
Item No. 49.10 Proposal for tenure track application for Assistant Professors	The tenure track appointment for Assistant Professors is a good initiative and I personally feel that IITP should support this. However, a valid question/apprehension remains that this methodology will have the scope for exploitation, prejudice, and arbitrariness. How this aspect will be taken care, is a matter of debate.
Item No. 49.13 Proposal for carry forward un-utilized Professional Development Allowance (PDA) of block	Based on the IIT Council's decision, IIT Patna issued an Office Order No. IITP/R/Fac/2015-16/1069 dated 27.11.2015 to all faculty members intimating the Council's decision. Now, this will be implemented in IIT Patna from this year onwards. <u>Current status :-</u> The proposal was implemented in IIT Patna.
Item No. 49.9 Proposal for common subscription for Journals	At the meeting of 8 (eight) new IITs Library Managers held on 20 th & 21 st Nov., 2015 at IIT Ropar, the most common list of e-resources was finalized consisting of 21 e-resources with cost paid for subscription year 2015. These e-resources are best utilized by the IIT Patna. During the subscription year 2015, the IIT Patna has subscribed these e-resources individually which cost approx. Rs. 2,38,84,400.00

	<p>Considering the functioning of newly formed consortium E-Shodh Sindhu (by MHRD), it seems better to drop individual subscription for the 2016 for these common e-resources and it is proposed to implement the common subscription model for all common e-resources for all 8 new IITs. It is hoped that this effort of resource sharing among the same group of institutions may save subscription costs of these e-resources.</p> <p>Now, these e-resources are under consideration for further negotiation by the E-Shodh Sindhu (a new consortium formed by MHRD).</p> <p>IIT Patna has already sent its completed list of e-resources to the Co-ordinator of E-Shodh Sindhu.</p>
Item No. 49.8 Report of the Committee on determination of land requirements for Central Higher Education Institutions (CFTIs).	<p>We have gone through the document and the report is well prepared. This is to inform that IIT Patna has shifted to its permanent campus of 500 acres land situated at a distance 40 kms. from Patna.</p> <p><u>Good practices adopted during planning:</u></p> <ul style="list-style-type: none"> ❖ Master plan for the entire campus with 5000 students capacity in phase -1, up to 10,000 students capacity in phase -2 and future provisions of expansion was finalized before the start of construction. ❖ All academic buildings are 4 storied to six storied buildings. ❖ The residential buildings are 4 storied, eight storied and nine storied. Director's residence is two storied buildings. ❖ Academic zones, Hostel zones, sports zone and residential zones are well defined in Master plan. ❖ Internal roads, electricity, sewer line, water supply system, STP, WTP etc has been planned in comprehensive way to facilitate phase wise construction of entire Master plan. ❖ Boundary wall has been constructed before start of construction with two numbers of entry/ exit gate. ❖ We have requested the railway to allow stoppage of Important trains like Garib Rath, Rajdhani express etc at Bihta railway station which is 2.5 Km away from IIT Patna.
Item No. 49.14 Proposal for attracting international students at P.G. level	<ol style="list-style-type: none"> 1. Since attracting students is a collective effort of all IITs, we should advertise PG programmes in IIT Patna in all the countries as listed, through respective Indian embassy or consulate. 2. Latin American countries such as Colombia, Uruguay, Peru, Paraguay, Chile and others may also be included. <p>3. Entry level exams: I think we go with the model prevalent in US Universities – application to individual IITs accompanied by a GRE, Advanced/Subject GRE score, TOEFL/SPEAK Score and SOP + letters of recommendations. Applications received by IIT Patna to be screened by respective dept. and applicant be</p>

	<p>interviewed over video-conferencing (SKYPE).</p> <p>4. fee payable by the foreign students: Fees should be such that there is no component of subsidy (as given to Indian citizens) and on the same time should be less than that charged in US/Germany/UK/France/Australia, so that "relatively" economically poor but talented students opt for PG Programs of IITs.</p> <p>5. target Countries in consultation with the MEA: As deemed fit by MEA and MHRD, but as mentioned, Latin American countries may also be included.</p> <p>6. Run education fairs in December-January duly arranged by the Indian Embassy located in these Countries: In this context, prior to organizing the education fairs, IIT Patna has to clearly identify the research strengths, campaign strongly via internet and also send representative(s) to these education fairs for canvassing for IIT Patna. Social media-Facebook may be used to strengthen the campaign. Time for organizing the fair should be December-January, so that prospective students have ample time to prepare themselves to join the program in July. Selection results will probably be declared in March-April, and then two-three months are sufficient to procure VISA, air-ticket, etc. prior visiting India in June-July.</p> <p>7. Identify and augment infrastructure that would suit the requirements of the foreign students. Foreign students be provided state-of-the-art infrastructure similar to those provided by other developed nations such as US, Singapore, UK and other European countries. A stipend fellowship has to be decided for PhD scholars (comparable to that offered by US and other foreign countries in the range of US\$ 1000-1500). Foreigners pursuing M.Tech./MS may also be given proportionate fellowship similar to Indian students registered in these PG programmes. There may be a limit of foreigners admitted in PhD/M.Tech. programme of each IIT depending on faculty strength of individual dept. in each IIT. Moreover, IITs should start "English language training centers" within their respective campuses to strengthen English communication skills of foreign students whose native language/mother tongue in all likelihood will not be English.</p>
<p>Item No. 49.15</p> <p>Proposal for introducing of "6-Year integrated M.Sc M-Tech programme" in the IITs in lines similar to the 5-Year integrated B.Tech M-Tech programme.</p>	<p><u>Views of the Physics department on the proposal of Six year MSc-MTech program in Physics.</u></p> <ol style="list-style-type: none"> 1. A combination of basic science and technology in a single program is always a good idea. 2. Physicists with technological training would perhaps can do better in industries. 3. Admission through JEE is preferable. 4. It is a long program of six years. Exit option should be carefully thought about. 5. If a student is academic minded, she/he will go for PhD after MSc. Whereas, if a student's has a job

	<p>oriented mindset, whether she/he will opt to wait for six years, instead of going for engineering after 10+2 or B.Sc. Otherwise, M.Sc student can also appear GATE for opting MTech. These factors should be analyzed.</p> <p>6. Getting good students may be a crucial factor for making the program successful.</p> <p>7. Most important is the job/placement opportunities in Indian scenario. Job prospects after MTech should be surveyed in India.</p> <p>8. IITP-Physics is having MTech-Nanoscience, where even getting Physics student has become a serious issue. Accordingly, it is reflected in the placement record too</p> <p><u>The Department of Chemistry View about the 6-Year integrated M.Sc M-Tech programme.</u></p> <p>As far as our understanding is concerned, MSc-M-Tech programme is aimed to motivate students towards industry after M.Sc. However it is seen that the most of the students who join for M.Sc programme are interested for Ph.D. So, we have to find students who are fascinated for M.Sc and choose their career in industry. On the other hand, students going for Ph.D can contribute in industry in the latter part of their career through their research expertise. The success of this program is doubtful, since students would not be interested to pursue such a long tenure for these degrees. Thus, getting a good quality of students would be very difficult. Consequently, it would be very difficult to place these students in industry.</p> <p><u>The Department of Mathematics has following views regarding the suggested program.</u></p> <p>(1) We are already running one M.Tech. Program and one M. Sc. program is coming. (2) The department intends to start integrated M.Sc. program in Mathematics soon (by year 2017).</p>
Item No. 49.15 To consider a proposal to provide Free studentship to the persons with disabilities.	<p>The decision noted.</p>

Item No. 49.20 Proposal for Refund of seat acceptance fee to candidates who did not join the programme or who withdrew after joining the programme	IIT Patna returned the refundable amount to all the eligible 12 (twelve) students.
Item No. 49.22 Proposal to establish Tinkerers' Lab at IITs	We are going to start a course on Technology Entrepreneurship for our BTech students. This will help students in product based learning and try their hand in Tinkering Lab which may lead to Entrepreneurship .The course and lab will be offered by expert from technology Incubation/Entrepreneurship area and faculties from HSS and engineering department.