

**BIRLA INSTITUTE OF TECHNOLOGY  
MESRA : RANCHI**

**MINUTES  
OF THE  
88-A SPECIAL TECHNICAL COUNCIL MEETING**

**88A.01.** Special Technical Council Meeting was held on 8<sup>th</sup> June 2013 at 9.00 A.M. in the Institute R&D Building, Seminar Hall No.1. The meeting was chaired by the Vice Chancellor. The list of members who attended the meeting is enclosed in **Annex - 'I'**

**88A.02. Confirmation**

Minutes of the 88<sup>th</sup> Special Meeting of the Technical Council held on 1<sup>st</sup> April 2013 at 3.00 P.M. in the Institute R&D Building, Seminar Hall No.1. was confirmed.

**88A.03. Registration in Ph.D. Programme & Doctoral Committee**

The Technical Council approved the Ph.D. registration of the Scholars for the Ph.D. Programme of the various departments who have qualified in the Ph.D. Entrance Examination held during January 2013 and appointment of the respective Doctoral Committee for each of the scholars as noted against their names. The details are in **Annex - 'II'**.

**88A.03A Pre Ph.D. Qualifying paper**

The **Technical Council approved** the qualifying papers of the candidates as per details in enclosed **Annex – 'III'**

**Audit Course**

The Doctoral Committee of the scholar suggested the audit course as mentioned therein. The **Council** after due deliberations referred back to the department for rectification before placing in next TC.

[Name of Candidate : Mr. Rajendra Mohan Roll No. Ph.D/AP/10002/2012]

**88A.03B. Exemption from Ph.D. Qualifying Paper**

Based on the recommendation of the PGPEC the **Technical Council approved exemption** of written qualifying papers (vide Clause 30 of the Ph.D. regulation) of the Ph.D. Scholars as follows

**1. Department of Applied Chemistry**

i) **Name of Candidate : Ms. Grandhe Usha Rani, Roll No. Ph.D/AC/1004/2011**

Exempted all courses except theory and term paper 1<sup>st</sup> Semester [Clause 30 C-(v)] vide Clause 30 C (ii) of Ph.D. Regulation, 2011 as the candidate has done M.Sc. Chemistry 2008 from Sri. Venkateshwara University, Andhra Pradesh.

### 88A.03C. Change of Course Code

Based on the recommendation of PGPEC **Technical Council approved** changes of the course code as mentioned hereunder.

#### Department of Pharmaceutical Science

Sl. No.	Course Name	Existing Code	Approved Code
1	Pharmaceutical Legislations - I (General)	PS 801	MPS 8001
2	Pharmaceutical Legislations - II (D & C Act & Rules)	PS 802	MPS 8002
3	Nanopharmaceuticals	PS 803	MPS 8003
4	Phytochemical Methods	PS 804	MPS 8004
5	Chemical and Biological Methods of Evaluation	PS 805	MPS 8005
6	Advanced Pharmaceutical Microbiology	PS 806	MPS 8006
7	Oncology - Fundamentals	PS 807	MPS 8007

### 88A.03D. Amendment in Credit Distributions for M. Tech. , NSNT programme

#### Department of Applied Physics

The HoD and Board of Studies of the Department of Applied Physics proposed amendments in the credit distributions in the subject. The **Council** went through the same and accorded its **approval**.

Programme	Semester	Subject Code Name	Exist Credit	Proposed Credit
M.Tech. NSNT	1 <sup>st</sup>	TNT 1001 Introduction to Nanoscience and Nanotechnology	4	3
M.Tech. NSNT	1 <sup>st</sup>	TNT 1103 Nanostructures and Applications	3	4

### 88A.03E. Change of Course

#### Department of Applied Chemistry

The Doctoral Committee of the following candidates proposed changes in the Pre-Ph.D. courses approved earlier by the T.C. due to the reason as mentioned against each courses. After due deliberations the **Council ratified** the same.

Candidate Name & Roll No.	Existing		Proposed		Remarks
	Code	Title	Code	Title	
Srijita Bharti Ph.D./AC/1052/2011	MSH 1149	IPR	SAC 3017	Aquatic Chemistry	Non availability of teacher to teach IPR
	SAC 2005	Advanced Analytical Techniques	SAC 4051	Modern Instrumental Methods of Analysis	She has already cleared the existing paper in her M.Sc. 2 <sup>nd</sup> Semester

<b>Sweta Sinha</b> <b>Ph.D/AC/1053/2011</b>	MSH 1149	IPR	SAC 3021	Environmental Impact Assessment	Non availability of teacher to teach IPR
	SAC 2005	Advanced Analytical Techniques	SAC 4051	Modern Instrumental Methods of Analysis	She has already cleared the existing paper in her M.Sc. 2 <sup>nd</sup> Semester
<b>Priti Rani</b> <b>Ph.D/AC/1005/2011</b>	MSH 1149	IPR	SAC 3021	Environmental Impact Assessment	Non availability of teacher to teach IPR

### 88A.03F. Ph. D. Viva-Voce

The **Technical Council** considered the recommendations of the respective Viva-voce Boards of the following Ph.D. scholars and **approved** award of **Ph. D. Degrees** to them **provisionally**.

<u>Name of the Scholar</u>	<u>Guide/Co-guide/Ext. Guide</u>	<u>Subject / Ph.D. Degree</u>
1) Mrs. Ela Goyal Dept. of Management [Roll No.109/08]	a. Dr. Manju Bhagat Int. Guide b. Dr. Seema Purohit Ext. Guide Director, NMITD, Mumbai	“Analysis of Information Technology Usage in Management Education Training”  - <b>Management</b>
2) Mrs. G.S. Vijaya Dept. of Management [Roll No.72/05]	a. Dr. Utpal Baul Int. Guide b. Dr. Hari Haran Ext. Guide G.M. MTI, SAIL, Ranchi	“To Study the Managerial Perspective of Evaluating the Effectiveness of Enterprise Resource Planning System in Organizational Context” - <b>Management</b>
3) Mr. Suvendu Kanungo Dept. of IT [Roll No.15/06]	a. Dr. G. Sahoo Int. Guide b. Dr. M.M. Gore Ext. Guide MNNIT, Allahabad	“Clustering Gene Expression Data” - <b>Engineering</b>
4) Ms. Pooja Tripathi Dept. of Comp. Sc [Roll No. Ph.D/61/06]	a. Dr. Tarun Pandeya Int. Guide b. Dr. Jayanti Ranjan Ext. Guide JNU, New Delhi	“A Study for Designing as Expert System for Competency Mapping for the Successful Organization” - <b>Technology</b>
5) Mr. Amit Kumar Dept. of Remote Sensing [Roll No. Ph.D/76/07]	a. Dr. A.C. Pandey Int. Guide b. Dr. A.T Jayaseelan Ext. Guide JSAC, Ranchi	“Assessment and Comparative Evaluation of Urban Environment of Ranchi Township” - <b>Technology</b>

- |   |  |  |
|---|--|--|
| 6) Mr. Vijay Kumar Gupta<br>Dept. of ECE<br>[Roll No. Ph.D/61/08]               | a. Dr. Mahesh Chandra<br>Guide   | “Acoustic Echo Cancellation and Noise Minimization from Audio Signals using TMS320C6713 DSP Processor”<br><b>- Engineering</b>   |
| 7) Mr. Pawan Kumar<br>Dept. of ECE<br>[Roll No. Ph.D/30/08]                     | a. Dr. Mahesh Chandra<br>Guide   | “Acoustic Features Combination for Speaker Recognition, Gender Classification and Language Identification”<br><b>- Engineering</b>   |
| 8) Ms. Archana Kumari<br>Dept. of Chem. & Poly. Engg.<br>[Roll No. Ph.D/122/08] | a. Dr. G. Sarkhel<br>Guide<br>b. Dr. A. Choudhury<br>Co-Guide                                | “Development and Characterization of Cellulose acetate and Silane based Hybrid Membrane for Water Purification”<br><b>- Science</b>  |
| 9) Mrs. Rajni Agarwal<br>Dept. of Appl. Chemistry<br>[Roll No. Ph.D/55/06]      | a. Dr. Usha Jha<br>Int. Guide<br>b. Dr. S. Sharma<br>Ext. Guide<br>Prof., Chem BITOC, Jaipur | “Physico Chemical Investigations of the Industrial effluents of Sitapura Industrial area in Jaipur and to Study the Effects of Pollutants on nearby areas”<br><b>- Science</b> |
| 10) Ms. Soumya Sidhishwari<br>Dept. of ECE<br>[Roll No. Ph.D/49/05]             | a. Dr. S.K. Ghorai<br>Guide  | “Phase Extraction in Optical Fiber Interferometry base on DDS (Data Dependent System) Method”<br><b>- Technology</b>   |
| 11) Mr. Tapas Kumar<br>Dept. of IT<br>[Roll No. Ph.D/05/06]                     | a. Dr. G. Sahoo<br>Int. Guide<br>b. Dr. I.M.S. Lamba<br>Ext. Guide<br>JNTU, Hyderabad        | “Application of Cellular Automata Paradigm in Image Processing”<br><b>- Engineering</b>  |

### 88A.03G. Doctoral Committee

Based on the recommendations of the PGPEC the **Council approved** restructuring of the Doctoral Committees for the research scholars as per details in **Annex - ‘IV’**

[Enclosed **Annex-IV**]

### 88A.03H. Change/ Modification of Ph.D. Topic

The **Technical Council** on the basis of recommendation of the PGPEC **approved change / modification** of the **topic** of the following scholars as under :

<u>Name &amp; Dept.</u>	<u>Existing Topic</u>	<u>Approved Topic</u>
<b>1) Department of Biotechnology</b>		
<b>i) Mr. Shashank Mishra Roll No. PHD/30/2009 Dept. of Biotechnology</b>	“Microbial transformation of eugenol to ferulic acid and other methoxyphenol aromas for food And pharmaceutical uses ”	“Microbial transformation of ferulic acid to methoxyphenol aromas for food and pharmaceutical uses”
<b>ii) Mr. Alok Kumar Varshney Roll No. PHD/26/2007 Dept. of Biotechnology</b>	“Transcriptome and proteome profiling in Phanerochaete chrysosporium during different growth phases”	“Gene expression and proteome profiling in Phanerochaete chrysosporium during different growth phases”

## 2) Department of Management

- |  |  |  |
|--|--|--|
| i) Mrs. Debjani Banerjee<br>Roll No. PHD/36/2010<br>Dept. of Management      | “A Study of Significance of retail Sector in Consumption pattern and its impact on Indian Economy” | “Retail Consumption and Economic Development as Influencers of Quality of Life: A Study in the Urban Indian Context” |
| ii) Ms. Rajeshwari Chatterjee<br>Roll No. PHD/96/2009<br>Dept. of Management | “Managing Sustainable Development for Bio-diesel Production to Enhance Profitability”              | “Managing Sustainable Development for Biodiesel Production to enhance Environmental Viability”                       |

## 3) Department of Electrical and Electronics Engg.

- |   |  |  |
|---|--|--|
| Mr. Sachin Singh,<br>Roll No. Ph.D/14/2009<br>Department of EEE | “Optimal Multi-Stage Distribution System Planning” | “Optimal Planning of Radial Distribution Network by Bacterial Forging Technique and Direct Approach” |
|---|--|--|

## 88A.03I. Reconstitution of Board of Studies

### a) Board of Studies for commencement of Master’s in Travel & Tourism Management Programme at BIT Off campus, Lalpur

In-charge, BIT Off campus Lalpur proposes the following Board of Studies for Master’s in Travel & Tourism Management Programme. **Approval of the T.C. is solicited.**

#### Internal Member

- |   |   |                       |
|---|---|-----------------------|
| 1. In-charge, BITEC, Lalpur   | - | Chairman (Ex-Officio) |
| 2. Dr. S.K. Bose, Prof. & Head, Deptt. of Mgt. BIT Mesra, Ranchi        | - | Member                |
| 3. Dr. (Mrs.) Manju Bhagat, Prof. Deptt of Mgt. BIT Mesra, Ranchi       | - | Member                |
| 4. Mr. Praveen Srivastava, In-charge- HOD, Dept. HMCT BIT Mesra, Ranchi | - | Member                |
| 5. Mr. Nishikant Kumar, Asst. Prof., Deptt. of HMCT BIT Mesra, Ranchi   | - | Member                |
| 6. Dr. Pranab Kumar, Asso. Prof., Deptt. of Mgt.                        | - | Member                |
| 7. Ms. Anupma Sahai, Asst. Prof. Deptt. of Mgt.                         | - | Member                |
| 8. Dr. Ashutosh Mishra, Asst. Prof. Deptt. of Mgt.                      | - | Member                |

#### External Member

- |   |   |        |
|---|---|--------|
| 1. Mr. Siddharth Tripathi, IFS, Director, Deptt. of Tourism, Govt. of Jharkhand | - | Member |
| 2. Mr. Ayon Bhattacharya, General Manager, Hotel Radisson Ranchi                | - | Member |
| 3. Prof. S.P. Bansal, Vice-Chancellor, Maharaja Agrasen University              | - | Member |
| 4. Dr. P.J. Shyju, Prof. Faculty of History of Arts & Tourism Mgt. BHU Varanasi | - | Member |

After due deliberations the **Council** deferred the matter for next T.C. as feasibility report was not submitted. Further the Director is advised to submit the feasibility report for the commencement of Masters in Travel & Tourism Management programme with Board of Studies.

Based on the recommendations of the PGPEC the **Technical Council approved** the reconstitution of Board of Studies of the Departments / Campus as per details in **Annex – ‘V’**.

[Enclosed **Annex-V**]

#### **88A.04A. Modification in Eligibility Criteria for Admission to ME Power Electronics Engg.**

##### **Eligibility Criteria :**

B.E./B.Tech. in Electrical Engineering / Electrical & Electronics Engineering / Electronics & Communication Engineering / Instrumentation & Control.

After due deliberations the Modification of Criteria was **approved** by the **Council**.

#### **88A.04B. Ph.D. Registration of an External Candidate**

Dr. Joyjeet Ghosh, Associate Professor, Dept. of Production Engg. BIT Mesra, vide letter dated 27.5.2013 requested for the registration of an external candidate namely Mr. Shamim Haidar Mechanical Engg. Department, Jadavpur University under him as Co-guide. As per Dr. Ghosh, he is having only one student registered for Ph.D. at BIT Mesra and he is eligible to register 5 scholars for Ph.D. under existing rule.

As requested by Dr. Joyjeet Ghosh and as per existing Rules of Ph.D. registration, the **Council approved** the same.

#### **88A.04C. Proposal for incorporation of Chartered Accountancy as PG Degree & PhD program**

As proposed by the Director BOS, Institute of Chartered Accountants of India, the Recognition of Chartered Accountancy qualification for registration to Ph.D. Programme and CA along with graduation may be considered equivalent to postgraduate degree and one of the prerequisite qualification for admission in Ph.D. Programme of the Institute in the area of Management. After due deliberations and as **recognized** by the **Association of Indian Universities**, this combination equivalent to Postgraduate Degree in Commerce or allied discipline for purpose of registration in Ph.D, the **Council approved** the same.

#### **88A.04D. MBA Programme**

The **Technical Council ratified** the final course structure and syllabus of MBA programme of Management Dept. to be started from the ensuing MO 2013 session for the Main campus.

Details as per **‘Annexure – VI’**

#### **88A.04E. 5 Year Integrated Master of Business Administration (IMBA) Programme**

After due deliberations the **Council approved** the course structure of 5-year IMBA programme of Department of Management at Institute’s Main campus

Details as per **‘Annexure – VII’**

#### **88A.04F. Vth Semester Syllabus of IMBA programme**

The **Council** considered the proposal of Board of Studies of the Department of Management and **approved** the syllabus of Vth semester of IMBA programme.

Details as per **‘Annexure –VIII’**

#### **88A.04G. Syllabus for 2<sup>nd</sup> & 3<sup>rd</sup> Semester IMBE programme - BIT off campus, Noida**

After due deliberations the **Council** was of the opinion that Board of Studies of BIT off campus, Noida has to revise the same before sending it to next **TC** for approval.

#### **88A.05A. BBA Programme**

The **Council** considered the recommendations of Board of Studies of the Department of Management, the course structure and syllabus of BBA programme and **approved** the same.

Details as per ‘**Annexure –IX**’

#### **88A.05B. 4 Year - B. Sc. Animation & Multimedia (Hon.) Programme at BIT off campus, Jaipur & Noida**

After due deliberations the **Technical Council** accorded its **approval** for the course structure and syllabus of B. Sc. (Hon.) [Animation & Multimedia] programme at BIT off campus Jaipur and Noida respectively to be started from July 2013.

Details as per ‘**Annexure –X**’

#### **88A.05C. New Programmes at BIT Off-shore Campus**

The **Council** considered the proposal of Director, BIT off-shore campus, RAK (UAE) for the following programmes to be started from forthcoming session, out of which Diploma in Mechanical Engg. is already approved. The **Council** also suggested that the Director, BIT off-shore campus, RAK has to submit fresh proposal for (i) B.E. in Mechanical Engg. & (ii) B. Com. programmes respectively in the next TC for approval. Dept. of Mechanical Engineering, BIT, Mesra has to review the feasibility of B.E in Mechanical Engg. course proposed.

#### **88A.05D. Merging/renaming of Academic Departments**

The following merging and renaming of the departments has to be implemented as approved by the BOG. This was informed to the members of the **Technical Council**.

##### 1) Department of Biotechnology & Centre of Biomedical Instrumentation

The Department of Biotechnology and Centre of Biomedical Instrumentation (presently EEE) shall be merged together and the new name of the department shall be “**Department of Bio- Engineering**”. The renamed department may run B. Tech. (Biotechnology), B. Tech. (Bio-Engineering), the relevant M. Tech. programmes in the field of Biotechnology, Biomedical Engg. and M. Sc. (Bio-Informatics) and Ph.D. programmes.

##### 2) Dept. of Chemical & Polymer Engg.& Dept. of Food Processing Technology

Department of Chemical & Polymer Engg. shall be renamed as “**Dept. of Chemical Engg. & Technology**”. The renamed department may run B. Tech. in Chemical Engg., B. Tech. in Chemical Engg. (Polymer) and relevant M. Tech. programmes in the field of Chemical Engg. / Polymer Engg. M.Sc. (Polymer Sc.) and Ph. D programmes. All facilities of the department of Food Processing Technology shall be brought under this department (Dept. of Chemical Engg. & Technology). The possibility may be explored for starting an M. Tech. programme in the field of Food Engg. in the department in future.

B.E. / B. Tech. degree holders in Chemical Engg. / Food Engg. / Food Technology / Dairy Tech./ Agricultural Engg./ Biotech./ relevant degrees in M. Sc. (Food Science) / relevant M. Sc. Degrees may be eligible for admission in M. Tech. in Food Engg.

3) Mechanical Engg. & Applied Mechanics

Mechanical Engg. and Applied Mechanics departments to be merged and renamed as **Mechanical Engg.** The Department may run B. Tech. (Mech. Engg.), relevant M. Tech. programmes in the field of Applied Mechanics and Mechanical Engg. and Ph. D. programmes.

4) Env. Sc. & Engg. Group & Civil Engg.

Environmental Science & Engg. Group and Dept. of Remote Sensing are to be merged with the Department of Civil Engineering and to be renamed as “**Department of Civil & Environmental Engineering.**”

5) Department of IT & CSE

The department of IT and Comp. Sc. Engg. shall be merged and name of the merged department shall be “**Department of Comp. Sc. & Engg.**”. The department may run B. Tech. (CSE) and B.Tech. (IT) with enhanced M. Tech. (Incorporating existing M. Tech. of IT course), MCA, relevant M. Tech. programmes in the field of IT, CSE and Ph. D. programmes.

6) Centre for Climatology

The Centre for Climatology shall be under the department of **Applied Physics**, since Applied Physics is more relevant department to climatology.

7) Pharmaceutical Sc.

The Department of Pharmaceutical Sciences shall be renamed as “**Dept. of Pharmaceutical Sciences and Technology**”.

### **88A.05E. Reverting back to the Centralized Mode of Examinations**

Due to requests from various Heads of the Depts. and Directors/In-charges of the off campuses towards maintaining sanctity and confidentiality of examination and to avoid delay in the publishing of results, shortage of attendance etc., it is proposed to revert back to the centralized mode of examinations of the Institute from Monsoon 2013 session. This has also been recommended by the Examination Reforms Committee chaired by Prof. D. Sasmal earlier this year. The committee has recommended for conducting of all examinations (UG/PG) by the COE.

The **Council approved** the same, in this context **Office Order** No.GO/OO/13-14/2130 dated 11<sup>th</sup> June 2013] was circulated to all concerned.

### **88A.05F. The Head of the Dept. of Pharmaceutical Sciences suggested the following points for discussion and for necessary action by the Council :**

1. Delink of M. Phil. Programme

Ph. D. programme should be delinked from M. Phil. Programme. Institute should offer separate M. Phil program in compliance with UGC.

2. Ph.D. Programme

Restructuring of whole Ph. D. regulation, especially with respect to clause 26, 28 & 30 of the present Ph. D. regulation 2011.



### 3. Fee Uniformity

Research Scholars admitted under off campus (Part time) and in campus (Full time : After Fee Waiver) Ph. D programme should have same fee structure

a) The Chairman of the **Council** advised to constitute a committee e.g. Regulation Review Committee to review the point no. 1 & 2 and finalize the same. The committee shall be as follows :

- |                     |   |          |
|---------------------|---|----------|
| 1) Dr. P.C. Joshi   | - | Chairman |
| 2) Dr. D. Sasmal    | - | Member   |
| 3) Dr. P.R.P. Verma | - | Member   |
| 4) Dr. S.K. Bose    | - | Member   |
| 5) Dr. Usha Jha     | - | Member   |
| 6) Dr. N. Patel     | - | Member   |
| 7) Dr. T. Ghose     | - | Member   |

b) Point no.3 : The **Council** referred back the matter to Fees Committee to work out and finalize the same.

### 88A.05G. Regulation and Examination Reforms Committee

Dean (Admission & Acad. Co-Ord.) submitted the Minutes of Regulation & Examination Reform Committee held on 22/04/13 and 03/05/13 respectively which was provisionally approved by the Vice Chancellor. The **Council ratified** the same.

[Enclosed as per **Annexure – XI**]

### 88A.06. Revised Class Timings

The Dean (UG) has proposed the revised class timings to be implemented from the coming session. There shall be 8 (eight) periods a day, and the lunch break will be from 11.20 am to 12.50 pm. The proposed timings will facilitate to conduct extra classes during 11.20 am to 12.10 pm and 4.10 pm to 5.00 pm provided the students are free during that time. This will also reduce the effect of shortage of class rooms to some extent. After due deliberations the **Council** advised to put the matter in next TC for deliberations. This was provisionally approved by the Chairman of the Council for Ratification in next TC.

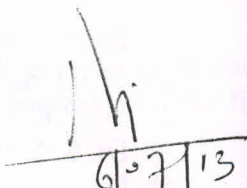
Sl.No.	Period	Timing
1	I	8.00 am to 8.50 am
2	II	8.50 am to 9.40 am
3	III	9.40 am to 10.30 am
4	IV	10.30 am to 11.20 am
5	Lunch Break	11.20 am to 12.50 pm
6	V	12.50 pm to 1.40 pm
7	VI	1.40 pm to 2.30 pm
8	VII	2.30 pm to 3.20 pm
9	VIII	3.20 pm to 4.10 pm

[Notification of the above in this regard was circulated to all concerned vide Notice No.GO/OO/13-14/2738 dated 27<sup>th</sup> June, 2013.]

**88A.07. Provision of Additional Increment after Ph.D.**

Provision of additional Increments upon obtaining Ph.D. degree was proposed to be applicable faculty members. The **Technical Council approved** the same.

The meeting ended with a vote of thanks to the chair.

  
6/7/13  
(Dr. A.P. Krishna)  
Registrar & Secretary  
Technical Council

Date: 6<sup>th</sup> July, 2013