

# BIRLA INSTITUTE OF TECHNOLOGY MESRA, RANCHI



## MINUTES

### 100<sup>th</sup> ACADEMIC COUNCIL MEETING OF THE INSTITUTE

Held on 27<sup>th</sup> November 2018 (Tuesday)  
Time: 3.00 PM

VENUE: CONFERENCE HALL  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215



**BIRLA INSTITUTE OF TECHNOLOGY**  
(Deemed to be University u/s 3 of UGC Act 1956)  
Mesra, Ranchi- 835215

**MINUTES**

100<sup>th</sup> Academic Council Meeting held on 27<sup>th</sup> November 2018

At 3.00 P.M. in the Institute Conference Room

100.01. 100th Academic Council Meeting was held on 27<sup>th</sup> November, 2018 at 3.00 P.M. in the Institute Conference Room. The meeting was chaired by the Vice Chancellor. The list of members who attended the meeting is enclosed as Annexure – A.

100.02. Confirmation

To confirm the Minutes of the 99<sup>th</sup> Meeting of the Academic Council held on 31<sup>st</sup> October 2018 at 11.30 A.M. in the Institute Conference Hall.

100.03. Inclusion of Clause in the Ph.D. Ordinance-2018

Extraordinary Circumstances (Clause No. 18)

For extraordinary circumstances not foreseen in these ordinances, the Dean (Academic Program) with concurrence of the Advisory Committee for Academic Programs (ACAP) and approval of the Vice Chancellor, may augment or modify any provision of these ordinances as required.

Legal Jurisdiction (Clause No. 19)

All disputes related to the Ordinances will be subject to the legal jurisdiction of the Honorable High Court of Jharkhand at Ranchi.

The Academic Council accorded its approval.

100.04. Syllabus of UG & PG Programmes based on CBCS

Based on the recommendations of the Dean (Academic Programmes), the Academic Council approved the 1st & 2nd semester syllabus of UG & PG Programmes in accordance with CBCS pattern.

## 100.05. Ph.D. Viva-Voce

The Academic Council considered the recommendations of the respective Viva-voce Boards of the following Ph.D. Scholars and approved for the award of Ph.D. Degree to them provisionally.

S.No	Name/ Roll No.	Deptt.	Guide	Co-Guide	Title	Degree to be awarded in
1	Pinki Rawat Ph.D/PH/10007/2012	Pharmaceutical Sc. & Technology	Dr.(Mrs.) S.M. Verma		Synthesis and Pharmacological Evaluation of Some Chroman Analogs	Pharmaceutical Sciences & Technology
2	Afzal Hussain Ph.D/PH/10005/2012	Pharmaceutical Sc. & Technology	Dr. Sandeep Kr. Singh		Design Development and Evaluation of Lipid Based Nanoparticle of Some Anti- tubercular Drugs	Pharmaceutical Sciences & Technology
3	Mohd. Neyaz Ahsan Ph.D/76/2010	Pharmaceutical Sc. & Technology	Dr.P.R.P. Verma		Lipid based Self Emulsifying Drug Delivery System of Some Poorly Water Soluble Drugs.	Pharmaceutical Sciences & Technology
4	Biplab Debnath Ph.D/PH/10011/2012	Pharmaceutical Sc. & Technology	Dr.(Ms.) Swastika Ganguly		Synthesis and Study of Some Newer Isatin Analogs	Pharmaceutical Sciences & Technology
5	Debalina Das Ph.D/PH/10003/2013	Pharmaceutical Sc. & Technology	Dr. K. Jayaram Kumar	Dr. S. Jha	Phytopharmaceutical Studies on Some Polysaccharides of Curcuma angustifolia Roxb. and Kaempferia galanga Linn	Pharmaceutical Sciences & Technology
6	Yuvraj Ph.D/BT/10005/2012	Bio- Engineering	Dr. P. Padmanabhan	Dr. A.S. Vidyarthi	Enhancing and modeling growth of Chlorella vulgaris in photobioreactor	Engineering
7	Umesh Nandkumar Khatavkar Ph.D/20/2010	Pharmaceutical Sc. & Technology	Dr. K. Jayaram Kumar	Dr. S. Laxman Shimpi (Ext)	Novel Approaches for Development of Oral Controlled Release Drug Delivery System for Some Selective Central Nervous System Acting Drugs	Pharmaceutical Sciences & Technology

8	Sharath N Ph.D/56/2009	Physics	Dr. P.K. Barahi	Dr. I. Banerjee Dr. K.P.J. Reddy (Ext) Dr. Elangannan Arunan (Ext)	Chemical kinetics of 3-carene at high temperature and pressure	Science
9	Col. Singudasu Babu Rao Ph.D/24/2008	Management	Dr. Kanhaiya Singh	Dr. Deepak Singhal (Ext)	An Empirical Study on Post-integration Issues	Management
10	Kartar Singh Ph.D/RS/1051/2011	Remote Sensing	Dr.(Mrs.) Mili Ghosh	Dr. (Mrs.) S.R. Sharma	Geoinformatics Based Condition assessment and conservational issues of Sambhar Lake, A Ramsar Site, India	Technology
11	Amresh Kumar Ph.D/MB/1055/2011	Management	Dr. S.L. Gupta	Prof. Dr. Nawal Kishor (Ext)	A Study on Branding Strategies in Organized retail and its Impact on customer Loyalty	Management
12	Yogesh Naik Nandkumar Ph.D/MB/1064/2010	Management	Dr. Monika Bisht		Impact of Emotional Intelligence on Effectiveness of Technical Managers in Information Technology Industry: An Empirical Study	Management
13	Rashmi Ph.D/IT/1002/2011	Comp. Sc. & Engineering	Dr. G.Sahoo	Dr. Shabana Mehfuz	End-to End Secure Migration and Self-Resilient Mechanism for Cloud Computing Environment	Engineering
14	Jaya Pal Ph.D/CS/1055/2011	Comp. Sc. & Engineering	Dr. V. Bhattacharjee		Development of fuzzy logic based models for software quality prediction	Technology
15	Shipra Sagar Ph.D/AC/10003/2012	Chemistry	Dr. S. Naskar		Synthesis, Characterization and Reactivity study of Manganese, Cobalt, Nickel & Copper complexes with N, O donor Chelating ligands	Science
16	Vinay Singh Ph.D/0168/2009	Comp. Sc. & Engineering	Dr. V. Bhattacharjee		Evaluation and Application of Metrics in Assessing Software Quality	Engineering

17	Manoj Kumar Saini Ph.D/04/08	Chemistry	Dr. P.K. Srivastava		A study on mineral matter in high ash Indian coals and development of predictive model for their estimation.	Science
18	Binitendra Naath Mongal Ph.D/AC/10001/13	Chemistry	Dr. S. Naskar		Synthesis, Characterization and Electrochemical study of Polypyridyl based Ruthenium Dyes	Science
19	Pankaj Omprakash Partani Ph.D/101/2009	Pharmaceutical Sciences & Technology	Dr.(Mrs.) S.M. Verma	Dr. Tausif Monif (Ext)	Development and Validation of Bioanalytical Assay Methods for Atypical Drugs in Human Plasma and their Application to Pharmacokinetics Studies	Pharmaceutical Sciences & Technology
20	Poonam Vats Ph.D/114/2009	Pharmaceutical Sciences & Technology	Dr.(Mrs.) S.M. Verma	Dr. Tausif Monif (Ext)	Matrix Effect Evaluation of Drugs using different model of Sciex Mass Spectrometer by Different Ionization and Sample Processing Techniques and its application in BA/BE Studies	Pharmaceutical Sciences & Technology
21	Arti Banerjee Ph.D/70/2010	Pharmaceutical Sciences & Technology	Dr. P.R.P. Verma	Dr. Subhash Gore (Ext)	Design, Fabrication and Evaluation of Controlled Porosity Osmotic Pumps Based Drug Delivery System of a Few Drugs.	Pharmaceutical Sciences & Technology
22	Shubhra Sekhar Chakraborty Ph.D/ESE/10001/2013	Civil & Env. Engg.	Dr. R. Naresh Kumar		Evaluation of Impact of MSW Landfill Leachate on Water Quality and Combined Processes for Leachate Treatment	Science
23	Ashish Kumar Ph.D/AC/10001/2012	Chemistry	Dr. J.P. Pandey	Dr. Satish Kumar	Biosorptive removal of arsenic from the aqueous system using low-cost adsorbent-Preparation, characterization, optimization and evaluation	Science

24	Sandeep Kumar Ph.D/PH/10017/2012	Pharmaceutical Sciences & Technology	Dr. Sandeep Kr. Singh	Dr. PRP Verma	Design, Development and Optimization of Carvedilol Loaded Silk Nanoparticles	Pharmaceutical Sciences & Technology
25	Arun Mittal Ph.D/68/2010	Pharmaceutical Sciences & Technology	Dr.(Mrs.) Anima Pandey	Dr. S. Sardanan (Ext)	A Comparative Evaluation of few Jasminum species for their wound healing activity	Pharmaceutical Sciences & Technology
26	Chanchal Kumar Mishra Ph.D/137/2009	Pharmaceutical Sciences & Technology	Dr. D. Sasmal		Phytochemical and Pharmacological Studies on fruits and roots of Carissa carandas Linn.	Pharmaceutical Sciences & Technology
27	Sushil Kumar Verma Ph.D/CHP/10001/2012	Chemical Engineering	Dr. Arup Choudhury	Dr. Pardip Kar	Synthesis, Characterization and Aliphatic Alcohol Sensing Properties of Poly(m- aminophenol)/functionalized Carbon Nanotube Composites	Technology
28	Jayantika Pal Ph.D/AM/10001/2012	Mathematics	Dr.(Ms.) A.P. Ghorai		Modeling and Analysis of Seismic Wave propagation in Poro-Elastic Layered Media	Science
29	Atiya Akhtar Khan Ph.D/103/2009	Pharmaceutical Sciences & Technology	Dr. B.N. Sinha	Dr. Uma Ranjan Lal	Pharmacognostical, Phytochemical and Pharmacological Studies on Commercial varieties of Piper betle Linn. (Piperaceae)	Pharmaceutical Sciences & Technology
30	N. Paramkrishnan Ph.D/PH/10002/2013	Pharmaceutical Sciences & Technology	Dr. K. Jayaram Kumar	Dr. S. Jha	phytopharmaceutical studies on Cyperus alulatus Kern. & Kyllinga nemoralis Forst & Forst. rhizomes	Pharmaceutical Sciences & Technology
31	L. Goverthanam Ph.D/57/2007	Management	Dr. Arvind Kumar	Dr. PV Raghavan (Ext)	Life Cycle Cost Modelling for Automotive Sector Under Indian Conditions	Management

32	Anoop Kumar Ph.D/PH/10018/2012	Pharmaceutical Sciences & Technology	Dr.(Mrs.) Neelima Sharma		Immunotoxic Profile of Deltamethrin in Murine Thymocytes and Splenocytes: Attenuation by Phytoconstituents and Immunomodulatory Drugs	Pharmaceutical Sciences & Technology
33	Sachin Sharma Ph.D/104/2010	Civil & Env. Engg.	Dr. Indrajit Roy		Evaluation of Slope Stability for Dragline Waste Rock Dump in Singrauli Coalfields, India	Technology
34	Shweta Sinha Ph.D/IT/1051/2011	Comp. Sc. & Engineering	Dr.(Mrs.) Aruna Jain	Dr. S.S. Agrawal (Ext)	Spoken Hindi Language Processing For Dialect Classification	Engineering
35	Gopikishan Sabavath Ph.D/AP/1052/2011	Physics	Dr. S.K. Mahapatra	Dr. I. Banerjee	Plasma parameters and instability during thin film deposition	Science
36	Pooja Ph.D/MB/1057/2010	Management	Dr. Pranab Kumar		Emotional Intelligence & Its Effect on Managerial Leadership: A Study on Male & Female Managers in the Service Sector	Management
37	Sagarika Chandra Ph.D/AM/1002/2011	Physics	Dr. Nishi Srivastava		Characterization and structural study of atmospheric boundary layer over eastern part of monsoon trough region	Science
38	Somnath Sengupta Ph.D/40/2009	ECE	Dr. S.K. Ghorai		Design and Development of Superstructure Fiber Bragg Grating for Multiparameter Sensing and Ultra narrow Band Optical Multichannel Filtering	Engineering
39	Mukta Majumder Ph.D/CS/1001/2011	Comp. Sc. & Engineering	Dr. S.K. Saha		Named Entity Recognition and Multiple Choice Questions Generation Using Machine Learning Techniques	Engineering

40	Mainak Basu Ph.D/EC/1060/2010	ECE	Dr. S.K. Ghorai		Embedded and Distributed Fiber Optic Sensors for Structural Health Monitoring of Engineering Structures	Technology
41	Shyam Pratap Singh Ph.D/EC/1059/2010	ECE	Dr. Sanjay Kumar		Performance Analysis and Impairments Removal under Various Generalized Fading Channels	Engineering
42	Sabina Yasmin Ph.D/PH/1058/2011	Pharm. Sc. & Technology	Dr. Venkatesan J.		Design and Synthesis of PPAR Modulators as Possible Antidiabetic Agents	Pharmaceutical Sciences & Technology
43	P. Mahesh Kumar Ph.D/PH/1052/2011	Pharm. Sc. & Technology	Dr. Animesh Ghosh		In Vitro Characterization of Microsponge Loaded Gel for Topical Delivery - Evaluation of Safety and Efficacy	Pharmaceutical Sciences & Technology
44	Hasan Ali Ph.D/PH/10013/2012	Pharm. Sc. & Technology	Dr. Sandeep Kr. Singh	Dr. P.R.P. Verma	Design, Development and Evaluation of Solid Lipid Nanoparticles of Furosemide	Pharmaceutical Sciences & Technology
45	Manas Ray Ph.D/EC/1057/2010	ECE	Dr. Mahesh Chandra	Dr. B.P. Patil (Ext)	Low Bit Rate Speech Coders for VoIP Applications	Engineering
46	Anamika Shalini Tirkey Ph.D/54/2010	Remote Sensing	Dr. Mili Ghosh Nee Lala	Dr. A.C. Pandey (Ext)	Watershed Prioritization Under Changing Climatic Conditions in Drought Prone Regions of Jharkhand State Using Geoinformatics	Technology
47	Swati Priyadarshani Ph.D/15/2008	Management	Dr. Manju Bhagat		Balancing Family & Work Life: A study of Working Women of Organized Sector in Jharkhand State	Management
48	Shinu Chacko Ph.D/PH/10015/2012	Parm. Sc & Technology	Dr. S. Samanta		Design, Synthesis and Screening of Some novel compounds against Hepatocellular Carcinoma	Pharmaceutical Sciences & Technology



49	Retinder Kour Ph.D/RS/1052/2011	Remote Sensing	Dr. N. Patel	Dr. A.P. Krishna	Snow Cover Dynamics and Climate Change Impact on Hydrological Regime of Chenab Basin, Western Himalays	Technology
50	Soni Sweta Ph.D/CS/10008/2012	Comp. Sc. & Engineering	Dr. Kanhaiya Lal		Design A Framework for Adaptive E-Learning System using Educational Data Mining	Engineering
51	Karnica Tanwar Ph.D/MB/10060/2012	Management	Dr. Asha Prasad		Employer Brand as a strategic HR tool: A study of selected IT firms	Management
52	Sushil S. Burle Ph.D/PH/10016/2012	Pharm. Sc. & Technology	Dr. S. Samanta		Design, Synthesis and Hepatoprotective Study of Some Hybrid Taurine Amino Acid and Peptide Analogues	Pharmaceutical Sciences & Technology
53	Pratim Kumar Ph.D/SER/1001/2011	Space Engineering & Rocketry	Dr. Rajiv Kumar		Thermal Decomposition and Burn rate studies of catalysed AN/KDN based Eco-friendly Composite Solid Propellants	Engineering
54	Ashwini Kumar Singh Ph.D/73/2006	Physics	Dr. P.K. Barahi		Study of Super Hard Nano-Crystalline (TiAl)N Thin Films using Reactive Magnetron Sputtering and their Applications	Science
55	Ranjana Kumari Singh Ph.D/25/2010	Production Engineering	Prof. (Dr.) S.P. Lal		Correlation between Electromagnetic Radiation and Plastic Deformations in Metals and Alloys	Engineering
56	Poonam Ph.D/BT/10003/2012	Bio-Engineering	Dr. K. Mukhopadhyay		Study of stress responsive transcription factors GRAS and ZIM to elucidate their role during biotic and abiotic stress and identification of bioactive molecules present in wheat ( <i>Triticum aestivum</i> L.)	Science

57	Amit Kumar Ph.D/IT/10056/2013	Comp. Sc. & Engineering	Dr. K. Rajnish		Measuring the Quality of a Software System: A Cognitive Approach	Engineering
58	Kumar Mohit Ph.D/EC/1001/2011	ECE	Dr. V.R. Gupta	Dr. S.K. Rout	Design & Development of Antennas Using Magneto-Dielectric Materials	Engineering
59	Md. Osaid Alam Ph.D/ESE/10003/2012	Civil & Environmental Engg.	Dr. Sukalyan Chakraborty	Dr. T. Bhattacharya	Arsenic Contamination in Sahibganj India: Biogeochemistry, Health Risk and Remediation	Science
60	Anirban Bhowmick Ph.D/EC/10008/2013	ECE	Dr. Mahesh Chandra		Continuous Speech Recognition in Noisy Environment	Engineering
61	Bibha Kumari Ph.D/EC/10012/2012	ECE	Dr. Nisha Gupta		Design, Implementation and Some Applications of Chaotic Circuits	Engineering
62	Bikash Routh Ph.D/AMC/1051/2011	Mechanical Engineering	Prof. A.K. Ray	Dr. Rathindranath Maiti	On some aspects of design analysis of flexspline of harmonic drive with involute gear set	Engineering
63	Sushil Kumar Dhiman Ph.D/60/2009	Space Engineering & Rocketry	Dr. Arbind Kumar-I	Dr. J.K. Prasad (Ext)	Study of flow field and heat transfer around cylinders	Engineering
64	Mahendra Pratap Chopra Ph.D/79/2010	Pharm. Sc. & Technology	Dr.(Mrs.) P. Mitra Mazumder	Dr. D. Sasmal	Antidiabetic and Wound healing Studies on Leaves of Salvia splendens Sellow ex Roem & schult	Pharmaceutical Sciences & Technology
65	Anand Prasad Sinha Ph.D/56/2006	Management	Dr. P.C. Jha	Dr. Supriyo Roy	Effective Management of New Technology and Its Implementation in Coal Mining Industry with special reference to Central Coalfields Ltd in Jharkhand State	Management
66	Vikarm Munshi Ph.D/MB/1051/2010	Management	Dr. Munish Makkad		Study of marketing mix used in the Indian Pharmaceutical Industry and its impact on consumer behaviour	Management

67	Vivek Kumar Ph.D/EC/10013/2012	ECE	Dr. Bharat Gupta		Performance Analysis of Body-Worn SS-UWB Patch Antenna and IEEE 802.15.6 CSMA/CA MAC Protocol Modeling for WBAN in Medical Scenario	Engineering
68	Praveen Kumar Ph.D/RS/10003/2012	Remote Sensing	Dr. C. Jeganathan		Assessment of Long Term changes in the Pattern of Agriculture in Bihar using Remote sensing and GIS.	Technology
69	Sony Jacob K. Ph.D/PH/10012/2012	Pharm. Sc. & Technology	Dr. S. Ganguly		Synthesis and Study of Newer Pyrazole Analogs	Pharmaceutical Sciences & Technology
70	Madan Mohan Agarwal Ph.D/13/2010	Comp. Sc. & Engineering	Dr. Madhavi Sinha	Dr. Anuj Jhankal (Ext)	Energy efficient routing in MANET: Probabilistic and fuzzy based approaches	Engineering
71	Mohit Sharma Ph.D/AP/10003/2012	Physics	Dr. S. Konar		Design of Photonic Crystal Fibers and Investigation of Nonlinear Wave Propagation in These Fibers	Science
72	Shree Ranjan Ph.D/IT/10004/2012	Comp. Sc. & Engineering	Dr. V.K. Jha	Dr. Pralay Pal (Ext)	Analysis of Factors Impacting ERP Implementation in Large OEM Organization in India	Engineering
73	Manisha G. Ph.D/EC/10054/2013	ECE	Dr. Aminul Islam		Ultralow Power Design of Nanoscale Circuits	Engineering
74	Gajendra Kant Mishra Ph.D/41/2009	ECE	Dr. Sanjay Kumar		Design and Development of Microwave Circuits for Next Generation Communication Systems	Engineering
75	Sudha Panda Ph.D/AR/10051/2012	Architecture	Dr. Manjari Chakraborty	Dr. Santosh Kumar Misra (Ext)	Assessment of The Social Sustainable Development in Urban Odisha with a Composite Index	Architecture
76	Suraj Ph.D/EE/10008/2012	EEE	Prof. R.K. Sinha	Dr. S. Ghosh (Ext)	Design of Monitoring System for EEG based Two Class Motor Imagery Tasks	Engineering

77	Sarit Kumar Ghosh Ph.D/AP/10002/2013	Physics	Dr. S.K. Rout		Synthesis, dielectric and optical properties of rare earth doped barium zirconate titanate relaxor ceramics	Science
78	Manas Kumar Das Ph.D/111/2009	Pharm. Sc. & Technology	Dr.(Mrs.) P. Mitra Mazumder	Dr. (Mrs.) Sanjita Das (Ext)	Neuropharmacological Studies of Butea monosperma (Lam.) Kuntze	Pharmaceutical Sciences & Technology
79	Aftab Alam Ph.D/EE/1052/2011	EEE	Dr. P.R. Thakura	Dr. M.K. Mukul	Wavelet based EMI Noise Mitigation in Power Converters	Engineering
80	Thombare Nandkishore Sudhakarao Ph.D/AC/10001/2014	Chemistry	Dr. Usha Jha	Dr. Sumit Mishra	Synthesis and evaluation of cross-linked guar gum hydrogels for environmental and agricultural applications	Science
81	Dilip Kumar Choubey Ph.D/CS/10054/2013	Comp. Sc. & Engineering	Dr. Sanchita Paul		Classification Techniques and Rule Based System for Diabetes	Engineering
82	Vaibhav Soni Ph.D/CS/1010/2011	Comp. Sc. & Engineering	Dr. D.K. Mallick		Modelling, Design and Analysis of Energy Efficient Routing Protocols for Wireless Sensor Networks	Engineering
83	Prashant Kumar Singh Ph.D/EC/10003/2013	ECE	Dr. A.K. Tiwary		Design and Development of Printed Radial Stub Filter for Wireless Communication	Engineering
84	Pravin Kumar Ph.D/BT/10005/2013	Bio-Engineering	Dr. Raju Poddar	Dr. S. Ghosh Sachan	In silico approach towards improvement of vanillin biosynthesis	Technology
85	Mohini Verma Ph.D/ESE/1053/2011	Civil & Environmental Engg.	Dr. R. Naresh Kumar		Assessing the Environmental Effects of Municipal Solid Waste Leachate and its Treatment.	Science
86	Kumari Jyotsna Ph.D/AM/10002/2013	Mathematics	Dr. Abhinav Tandon		Mathematical Models Studying Different Environmental Degradation Factors and their effects.	Science

87	Ankit Gupta Ph.D/CS/10014/2012	Comp. Sc. & Engineering	Dr. Shruti Kohli		Design and Development of Web Intelligence Model for Improved and Intelligent Information Retrieval.	Engineering
88	Himani Singal Ph.D/CS/10008/2013	Comp. Sc. & Engineering	Dr. Shruti Kohli		Conceptual model for trust learning from web analysis	Engineering
89	Pankaj Kumar Sharma Ph.D/CS/10015/2012	Comp. Sc. & Engineering	Dr. Shruti Kohli	Prof. (Dr) A.K. Sinha (Ext)	Development of Intelligence system model for detection and prevention of anomalies in mobile ad-hoc networks.	Technology
90	Pranam Goyal Ph.D/44/2005	Management	Dr. A.M. Aggarwal	Dr. Ranjit Kumar Singh (Ext)	Knowledge management technology in IT industries	Management
91	Soumita Ghosh Ph.D/EE/10002/2014	EEE	Dr. D. Ghosh	Dr. D.K. Mohanta	Situational Awareness of Power System Incorporating Effect of Phasor Measurement Unit Reliability	Engineering
92	Arpita Pandey Ph.D/83/2009	Management	Dr. S. Shivani	Dr. Vinod Sople (Ext)	Consumer Characteristics and Hedonic Value Perception; A Study of Retail Products	Management
93	Pinki Pal Ph.D/AC/10051/2014	Chemistry	Dr. Gautam Sen	Dr. J.P. Pandey	Microwave assisted synthesis of novel polyvinyl pyrrolidone derivatives and their applications	Science
94	Aradhana Yaduvanshi Ph.D/AM/10051/2012	Physics	Dr. A.K. Sinha	Dr. Ashwini Ranade (Ext)	Land surface hydrological processes over the eastern Indian gangetic plains under the changing climatic conditions	Science
95	Babu Lal Shahu Ph.D/42/2009	ECE	Dr. Srikanata Pal	Dr. Neela Chatteraj	Design and Development of Advanced Microwave Circuits using Fractal Geometries	Engineering
96	Naghma Khatoon Ph.D/CS/10004/2014	Comp. Sc. & Engineering	Dr. Amritanjali		Design and Analysis of Efficient Cluster Based Routing Schemes for Mobile Ad-Hoc Network	Technology

97	Rashmi Mishra Ph.D/BT/1053/2011	Bio- Engineering	Dr. Ramesh Chandra		In vitro culture and production of few N-glycosylation enzymes from moss <i>Hyophylla nymaniana</i> (Fleish) Menzel	Science
98	Kartick Prasad Dey Ph.D/AC/10002/2013	Chemistry	Dr. S. Mishra	Dr. G. Sen	Synthesis and Characterization of Novel Graft Copolymers of Barley and its Applications	Science
99	H. Parthasarathi Patra Ph.D/IT/10052/2013	CSE	Dr. K. Rajnish		A Software Engineering Measurement and Estimation: An Empirical and Analytical Approach	Engineer
100	Priyank Saxena Ph.D/35/2009	ECE	Dr. R. Sukesh Kumar		Adaptive Edge Preserving Techniques for Efficient Restoration of Medical Tomographic Images	Engineering
101	Niket Mehta Ph.D/145/2009	CSE	Dr. Suparna Dutta		21st Century Approach to Communication : Gaming a Prime Tool of New Media	Technology
102	Shikha Kumari Pandey Ph.D/ESE/10051/2012	CEE	Dr. T. Bhattacharya		Chelate Assisted Phytoextraction of Heavy Metals from Fly Ash and its Potential Use as Fertiliser	Science
103	Sima Singh Ph.D/PH/10003/2012	Pharm. Sc. & Technology	Dr. Uma Ranjan Lal		Formulation and Evaluation of Curcumin Loaded Multiparticulate System for Ulcerative Colitis	Pharmaceutical Sciences & Technology
104	Venkata Krishna Akula Ph.D/116/2009	Pharm. Sc. & Technology	Dr. B.N. Sinha	Dr. China Reddy Palem (Ext)	Analytical Method Development and Validation for a few Antihistaminic Drugs by High Performance Liquid Chromatography	Pharmaceutical Sciences & Technology
105	Manish Kumar Ph.D/EE/10051/2013	EEE	Dr. S.K. Mishra		Development of Nature Inspired Neural Network based Adaptive Filters for Denoising Medical Images	Engineering

106	Pankaj Mishra Ph.D/EE/47/2009	EEE	Prof. T. Ghose		A Study on MW Scheduling and MVAR Pricing in the context of system restructuring	Engineering
107	Arpita Sen Ph.D/08/2009	ECE	Dr. Neela Chatteraj		Design Development and Analysis of Reconfigurable Microstrip Antenna for Multiband Wireless Communication	Technology
108	Shashank Shekhar Ph.D./45/2009	Remote Sensing	Dr. Mili Ghosh Nee Lala	Dr. A.C. Pandey (Ext)	Water Resource Assessment with spatial emphasis on fluoride contamination in Hard Rock Terrain (Palamu & Garhwa District, Jharkhand, India) Using Remote Sensing and GIS Techniques	Science
109	Kalpana Kiran Ph.D/171/2009	Chemical Engineering	Dr. S. Goswami		Interpenetrating Networks based on Hydrophilic-Hydrophobic Acrylics	Science
110	Priyadarshi Suraj Ph.D/37/2009	ECE	Dr. V.R. Gupta	Dr. Manish Saxena (Ext)	Design and Development of Monopole Patch Antenna for Ultra Wideband Application	Engineering
111	Abhishek Pandey Ph.D/EC/10010/2012	ECE	Dr. Vijay Nath		Design and Performance Studies of an Ultra Low Power CMOS Temperature Sensor	Technology
112	Pankaj Kumar Singh Ph.D/26/2010	Mechanical Engineering	Dr. Arbind Kumar	Dr. S.K. Sinha Dr. Ganjendra Pd. Singh (Ext)	Study of structured, mechanical and corrosion properties of TiN coated plasma nitrated austenitic stainless steel for bipolar plate application.	Engineering
113	Shweta Singh Ph.D/BT/10002/2013	Bio-Engineering	Dr. Manish Kumar	Dr. Madhupurna Banerjee (Ext)	Isolation, identification and characterization of secondary metabolites derived from Phlogacanthus thyriflorus Nees, plants and hairy roots.	Science

100.06. Recommendation of Degrees

The Academic Council considered the recommendations the award of the following degrees as proposed by the the CoE conferred in the 29<sup>th</sup> Convocation / Graduation ceremonies in 2018 and approved the same.

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI					
BIT MAIN CAMPUS; DEGREES- 2018					
1	Doctor of Philosophy				Total
	Architecture				1
	Engineering				39
	Management				4
	Pharmacy				17
	Science				21
	Technology				8
				Total	90
2	Post-Graduate Degrees	1D*	1st	2nd	Total
	Master of Business Administration	11	76	9	96
	Master of Computer Applications	14	12	0	26
	Master of Engineering				
	Automated Manufacturing System	3	2	0	5
	Chemical	2	0	0	2
	Civil	14	1	0	15
	Electrical	16	10	1	27
	Electronics and Communication	17	14	0	31
	Mechanical	14	2	0	16
	Space Engineering and Rocketry	7	1	0	8
	Master of Pharmacy	23	6	0	29
	Master of Science Integrated				
	Chemistry	3	5	2	10
	Mathematics and Computing	3	16	3	22
	Physics	2	4	2	8
	Master of Science				
	Biotechnology	4	6	0	10
	Chemistry	4	1	3	8
	Geoinformatics	1	5	0	6
	Mathematics	0	0	0	0
	Physics	6	2	1	9
	Master of Technology				
	Biotechnology	2	2	0	4
	Biomedical Instrumentation	0	0	1	1
	Computer Science	7	8	0	15
	Energy Technology	7	1	0	8
	Environmental Science and Engineering	4	0	1	5
	Information Security	4	1	0	5
	Information Technology	2	2	0	4
	Remote Sensing	4	2	0	6
	Master of Urban Planning	4	3	1	8
				Total	384



3	Under-Graduate Degrees				
		1D*	1st	2nd	Total
	Bachelor of Architecture	23	4	0	27
	Bachelor of Engineering				
	Biotechnology	11	4	3	18
	Chemical	36	15	1	52
	Chemical, Plastics and Polymer	20	21	4	45
	Civil	43	15	4	62
	Computer Science	92	40	4	136
	Electrical and Electronics	46	10	4	60
	Electronics and Communication	84	45	4	133
	Information Technology	43	2	3	48
	Mechanical	90	28	3	121
	Production	36	6	1	43
	Bachelor of Hotel Management and Catering Technology	8	6	2	16
	Bachelor of Pharmacy	20	18	4	42
	Bachelor of Science				
	Chemistry	3	2	0	5
	Mathematics and Computing	2	0	0	2
	Physics	10	2	0	12
Total					822
Grand Total					1294
*FIRST CLASS WITH DISTINCTION					

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI						
NOIDA CAMPUS; DEGREES- 2018						
1	Doctor of Philosophy				Total	
		Engineering				5
		Management				3
		Technology				1
		Total				9
2	Post-Graduate Degrees		1D*	1st	2nd	Total
	Integrated Master of Business Administration		0	1	0	1
	Integrated Master of Computer Applications		0	1	1	2
	Master of Business Administration		2	11	3	16
	Master of Computer Applications		2	1	0	3
	Total					22
3	Under-Graduate Degrees					
			1D*	1st	2nd	Total
	Bachelor of Business Administration		11	21	5	37
	Bachelor of Computer Applications		10	23	6	39
4	Bachelor of Science					
		Animation and Multimedia (Honours)	15	1	0	16
		Animation and Multimedia	18	2	0	20
	Total					112
	Grand Total					144
*FIRST CLASS WITH DISTINCTION						

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI							
JAIPUR CAMPUS; DEGREES- 2018							
1	Doctor of Philosophy				Total		
	Engineering					1	
	Total					1	
2	Post-Graduate Degrees			1D*	1st	2nd	Total
	Integrated Master of Business Administration			0	0	1	1
	Master of Business Administration			0	0	1	1
	Master of Computer Applications			3	0	1	4
	Total					6	
3	Under-Graduate Degrees						
				1D*	1st	2nd	Total
	Bachelor of Business Administration			9	14	0	23
	Bachelor of Computer Applications			7	12	0	19
	Bachelor of Engineering						
	Computer Science			45	11	2	58
	Electrical and Electronics			16	21	5	42
	Electronics and Communication			24	23	1	48
4	Bachelor of Science						
	Animation and Multimedia (Honours)			6	0	0	6
	Animation and Multimedia			21	4	1	26
	Total						222
	Grand Total						229
*FIRST CLASS WITH DISTINCTION							

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI						
PATNA CAMPUS; DEGREES- 2018						
1	Doctor of Philosophy				Total	
	Engineering				2	
	Total				2	
2	Post-Graduate Degrees		1D*	1st	2nd	Total
	Master of Business Administration		1	0	2	3
	Master of Engineering					
	Electronics and Communication		6	7	1	14
	Master of Science Integrated					
	Physics		2	3	0	5
	Master of Science					
	Physics		0	1	0	1
	Master of Technology					
	Computer Science		4	1		5
	Total				28	
3	Under-Graduate Degrees					
			1D*	1st	2nd	Total
	Bachelor of Architecture		19	9	2	30
	Bachelor of Business Administration		30	10	1	41
	Bachelor of Business Economics		2	0	0	2
	Bachelor of Computer Applications		17	22	4	43
	Bachelor of Engineering					
	Civil		16	12	1	29
	Computer Science		33	19	3	55
	Electrical and Electronics		29	21	2	52
	Electronics and Communication		27	20	4	51
	Information Technology		22	8	1	31
	Mechanical		25	12	1	38
	Production		11	6	1	18
4	Bachelor of Science					
	Physics		1	0	0	1
	Total				391	
	Grand Total				421	
*FIRST CLASS WITH DISTINCTION						

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI						
LALPUR CAMPUS; DEGREES- 2018						
1	Doctor of Philosophy					Total
	Management					1
		Total				1
2	Post-Graduate Degrees	1D*	1st	2nd	Total	
	Integrated Master of Business Administration	0	3	2	5	
	Master of Business Administration	3	30	5	38	
	Master of Computer Applications	2	3	0	5	
		Total				48
3	Under-Graduate Degrees					
		1D*	1st	2nd	Total	
	Bachelor of Business Administration	134	46	8	188	
	Bachelor of Computer Applications	122	59	10	191	
		Total				379
		Grand Total				428
*FIRST CLASS WITH DISTINCTION						

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI						
DEOGHAR CAMPUS; DEGREES- 2018						
1	Under-Graduate Degrees					
		1D*	1st	2nd	Total	
	Bachelor of Engineering					
	Computer Science	17	24	1	42	
	Electrical and Electronics	11	24	7	42	
	Electronics and Communication	16	21	6	43	
	Mechanical	20	29	8	57	
	Production	1	0	0	1	
		Total				185
		Grand Total				185
*FIRST CLASS WITH DISTINCTION						

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI					
KOLKATA CAMPUS; DEGREES- 2018					
1	Post-Graduate Degrees	1D*	1st	2nd	Total
	Integrated Master of Business Administration	0	2	4	6
	Master of Computer Applications	3	2	0	5
Total					11
2	Under-Graduate Degrees				
		1D*	1st	2nd	Total
	Bachelor of Business Administration	7	16	3	26
	Bachelor of Computer Applications	10	3	4	17
Total					43
Grand Total					54
*FIRST CLASS WITH DISTINCTION					

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI					
ALLAHABAD CAMPUS; DEGREES- 2018					
1	Post-Graduate Degrees	1D*	1st	2nd	Total
	Master of Computer Applications	0	2	0	2
Total					2
2	Under-Graduate Degrees				
		1D*	1st	2nd	Total
	Bachelor of Business Administration	11	8	0	19
	Bachelor of Computer Applications	14	3	3	20
Total					39
Grand Total					41
*FIRST CLASS WITH DISTINCTION					

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI						
UNIVERSITY POLYTECHNIC; DEGREES- 2018						
1	Bachelor of Science		1D*	1st	2nd	Total
		Medical Laboratory Technology	29	15	2	46
						46
2	Diploma in Technology		1D*	1st	2nd	Total
		Automobile Engineering	16	5	2	14
		Computer Science	8	3	1	12
		Electrical and Electronics Engineering	14	3	1	18
		Electronics Engineering	13	4	3	20
		Manufacturing Engineering	8	5	1	14
		Mechanical Engineering	12	4	0	16
					Total	94
					Grand Total	140
*FIRST CLASS WITH DISTINCTION						

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI						
MUSCAT CAMPUS; DEGREES- 2018						
1	Post-Graduate Degrees		1D*	1st	2nd	Total
		Executive Master of Business Administration	6	11	1	18
		Master of Business Administration	8	10	2	20
					Total	38
2	Under-Graduate Degrees					
			1D*	1st	2nd	Total
		Bachelor of Business Administration	39	21	3	63
		Bachelor of Computer Applications	20	6	3	29
		Bachelor of Engineering				
		Biotechnology	7	3	0	10
		Computer Science	22	6	2	30
		Electronics and Communication	16	10	1	27
					Total	159
					Grand Total	197
*FIRST CLASS WITH DISTINCTION						

BIRLA INSTITUTE OF TECHNOLOGY, MESRA-835215, RANCHI					
RAS-AL KHAIMAH (UAE) CAMPUS; DEGREES- 2018					
1	Post-Graduate Degrees	1D*	1st	2nd	Total
	Executive Master of Business Administration	5	2	0	7
	Master of Business Administration	2	5	1	8
Total					15
2	Under-Graduate Degrees				
		1D*	1st	2nd	Total
	Architecture	4	2	0	6
	Bachelor of Business Administration	21	10	1	32
	Bachelor of Computer Applications	4	2	0	6
	Bachelor of Commerce	38	18	0	56
	Bachelor of Engineering				
	Computer Science	0	1	0	1
	Electrical and Electronics	8	1	0	9
	Electronics and Communication	2	1	0	3
	Mechanical	4	5	0	9
	Diploma in Technology				
	Computer Science	0	2	0	2
	Electrical and Electronics	0	3	1	4
	Mechanical	0	4	0	4
Total					132
Grand Total					147
*FIRST CLASS WITH DISTINCTION					



## 100.07. Re-constitution of Board of Studies

Based on the recommendation of the DAC, Academic Council approved the reconstitution of Board of Studies of the following departments.

1. Department : Mechanical Engineering		
Existing Committee		
Internal Member		
Sl. No.	Name of Member	Designation
1	HoD, Mechanical Engg.	Chairman (Ex-Officio)
2	Dr. Arbind Kumar I, Professor, Mech. Engg.	Member
3	Dr. Arbind Kumar II, Professor, Mech. Engg.	Member
4	Prof. A.K. Ray, Professor, Mech. Engg.	Member
5	Dr. R.P.Sharma, Professor, Mech. Engg.	Member
6	Dr. A.K.Roy, Associate Professor, Mech. Engg.	Member
7	Dr. Rajeev Kumar, Associate Professor, Mech. Engg.	Member
8	Dr. Praveen Mishra, Assistant Professor, Mech. Engg.	Member
9	Dr. Dhaneshwar Mahto, Assistant Professor, Mech. Engg.	Member
10	Dr. Sudip Das, Professor, SER	Member
11	Dr. Vijay Pandey, Associate Professor, Prod. Engg.	Member
External Member (any two)		
Sl. No.	Name of Member	Designation, Institute/Company, Full Address
1	Dr. Sibnath Maity	Chief Scientist, Head, Technology Innovation Centre, Central Mechanical Engineering, Research Institute (CMERI), M.G. Road, Durgapur West Bengal, Mobile: 09434710952 Email: drsnmaity@yahoo.com
2	Satish Kumar Gupta	Sr. Manager, MECON Limited, Ranchi Mobile: 9470590397 Email: satish.gupta13e@gmail.com
3	Rakesh Kumar Singh	GM, Bar Mill, JSPL, Patratu, Ranchi Mobile: 9771437567 Email: rakeshsingh@pat.jspl.com
4	Prabhas Kumar	DGM (HOD, Energy Conservation) RDCIS, SAIL, Ranchi Mobile: 8986880120 Email: kumar_prabhas@yahoo.com pk@sail-rdcis.com
5	Dr. Bharat Bhusan	GM (Process and Technology), Tata Consulting Engineers Ltd., Jamshedpur Mobile: 9910305458 Email: bharatb@tce.co.in
6.	Dr. Shine S.R.	Department of Aerospace Engg., Indian Institute of Space Science & Technology (IIST) Trivandrum, ISRO, Kerala Email: shine@iist.ac.in , Phone: 0471-2568427
7.	V.P. Saha	Ex-DGM (PHP)w Bhilai Steel Plant, Bhilai
Proposed Committee		
Internal Members		

Sl.No.	Internal Member	Designation	Reason for Change
1.	HoD, Mechanical Engineering	Chairman (Ex-officio)	Dr. A.K.Ray superannuated, Dr. Arvind Kumar – I & II transferred to BITEC, Patna & Deoghar
2.	Dr. D.P.Mishra, Professor	Member	
3.	Dr. R.P.Sharma, Professor	Member	
4.	Dr. Kaushik Kumar, Associate Professor,	Member	
5.	Dr. A.K. Roy, Associate Professor,	Member	
6.	Dr. Rajeev Kumar, Associate Professor	Member	
7.	Dr. Praveen Mishra, Assistant Professor	Member	
8.	Dr. Dhaneshwar Mahto, Assistant Professor	Member	
9.	Dr. Anand Kumar Sinha, Professor, Civil Engineering	Member	
10.	Dr. Sanjay Kumar Jha, Associate Professor, Production Engg.	Member	
11.	Dr. Sudipta Kishore Pradhan, Assistant Professor, Mechanical Engg. BIT Patna off Campus	Member	
12.	Dr. Arbind Kumar, Professor, Mechanical Engg. BIT Deoghar off Campus	Member	
13.	One representative UG, Final year having good Academic record and no backlog	Member	
14.	One representative PG, Final year having good Academic record and no backlog	Member	

#### External Members

##### Members from Academic Institute:

Sl.No.	Name of Member	Designation, Institute/Company, Full Address	Reason for Change
1.	Dr. Sibnath Maity	Chief Scientist, Head, Technology Innovation Centre, Central Mechanical Engineering Research Institute (CMERI), M.G. Road, Durgapur West Bengal Mobile: 09434710952 Email: drsnmaity@yahoo.com	Reason For changes / new addition of External Members are time duration and to accommodate high profile personality for benefit of department.
2.	Dr. S.K. Dash	Professor, Department of Mechanical Engineering, IIT, Kharagpur – 721 302, India Mobile: +91 9933017367	
3.	Prof. Subir Kumar Saha	Head, Mechanical Engineering, IIT Delhi, Hauz Khas New Delhi- 110 016 Phone: 011-26591135, Email: saha@mech.iitd.ac.in	
4.	Dr. Shine S.R.	Department of Aerospace Engg., Indian Institute of Space Science & Technology (IIST), Trivandrum, ISRO, Kerala Email: shine@iist.ac.in , Phone: 0471-2568427	

5.	Dr. Shailendra Kumar	Professor, Department of Mechanical Engineering N.I.T., Jamshedpur, Jharkhand – 831014 Email: shalkumar.me@nitjsr.ac.in	
Members From Industry:			
Sl.No.	Name of Member	Designation, Institute/Company, Full Address	Reason for Change
1.	Dr. Kailash Agarwal	Associate Director, Outstanding Scientist Nuclear Recycling Group BARC, Trombay, Mumbai – 400 085 Ph: 022-25595529/1435 Email: kagar@barc.gov.in	Reason For changes / new addition of External Members is time duration and to accommodate high profile personality for benefit of department.
2.	Sri Alok Mukherjee	Scientist G & Head Robotics, DRDO R & DE, Pune-411 015, Alandi Road, Dighi Phone: 020-27044800 Email: aamukherjee @rde.drdo.in	
3.	Rakesh Kumar Singh	GM, Bar Mill, JSPL, Patratu, Ranchi Mobile: 9771437567 Email: rakeshsingh@pat.jspl.com	
4.	Dr. Bharat Bhusan	GM (Process and Technology) Tata Consulting Engineers Ltd. , Jamshedpur Mobile: 9910305458 Email: bharatb@tce.co.in	
5.	Richie Mittal	National Secretary, Indian Society of Heating Refrigeration & Air-Conditioning Engineers, K-43 (Basement), Kailash Colony, New Delhi – 110 048, India Phone: 011 – 41635655/29234925 Mobile: +91 8744000065	
Members from Alumni of Mechanical Engineering Department:			
Sl.No.	Name of Member	Designation, Institute/Company, Full Address	Reason for Change
1.	Deepak Mishra	Head – Project Procurement, Tata Steel , Jamshedpur Email: Deepak.mishra@tatasteel.com Phone: 8272035801	Reason For changes / new addition of External Members are time duration and to accommodate high profile personality for benefit of department.
2.	Prabhas Kumar	DGM (HOD, Energy Conservation), RDCIS, SAIL, Ranchi Mobile: 8986880120 Email: kumar_prabhas@yahoo.com	
3.	Sri Amit Kumar Pandey	Sr. D.G.M., USHA MARTIN,TATI SILAWAI, RANCHI Mobile: 9334389784 Email: amitkrpandey72@gmail.com	

2. Department/ Centre : Chemical Engineering		
Existing Committee		
Internal Member		
Sl. No.	Name of Member	Designation (DAC/AC)
1	HoD, Chemical Engineering	Chairman (Ex-Officio)
2	Prof. (Mrs. ) M. Mukherjee	Member
3	Dr. Gautam Sarkhel , Professor	Member
4	Dr. (Mrs.) S. Goswami, Professor	Member
5	Dr. Akhil Kumar Sen, Associate Professor	Member
6	Dr. P. Raghuraj, Assistant Professor	Member
7	Dr. A. Kumar (I), Professor, Mechanical Engg	Member
8	Dr. (Mrs.) U. Jha, Professor, Chemistry	Member
9	Dr. (Mrs.) P Padmanabhan, Professor, Bio - Engineering	Member
External Member		
Sl. No.	Name of Member, Designation, Institute/Company, Full Address	
1	Prof. A. N. Samanta, Dean PG and Research, Dept. of Chemical Engineering, IIT, Kharagpur	Member
2	Prof. Parthapratim Gupta, Dean Research and Consultancy, Dept. of Chemical Engineering, NIT, Durgapur	Member
3	Prof. A. K. Ghosh Centre for Polymer Science and Engineering, IIT, Delhi	Member
4	Prof A.K. Datta, Department of Food and Agriculture Engineering, IIT Kharagpur	Member
5	Prof A.K.Chauhan. Centre for Food Science and Technology, BHU,	Member
6	Dr. K. Naskar, Rubber Technology Centre, IIT Kharagpur	Member
7	Dr. T. K. Das SAIL, R & D	Member
8	Dr. S. K. Nayak Director General, CIPET	Member
9	Dr Samik Gupta Senior Scientist, SABIC Global research Centre, Bangalore	Member

Proposed Committee for Chemical Engineering Programme			
Internal Member			
Sl. No.	Name	Designation	Reason for Change
1	HoD, Chemical Engineering	Chairman (Ex-Officio)	BOS has already completed the tenure of three successive years
2	Dr. (Mrs. ) M. Mukherjee, Professor	Member	
3	Dr. Gautam Sarkhel, Professor	Member	
4	Dr. (Mrs.) S. Goswami, Professor	Member	
5.	Dr. D.Pandey, Assistant Professor	Member	
6.	Dr.G.T. Mohanraj, Assistant Professor	Member	
7	Dr. A.K. Sinha Professor, Civil Engg.	Member	
8	Dr. D.P. Mishra, Professor, Mechanical Engg.	Member	
9	One student representative of UG programme	Member	
10	One Student representative of PG programme	Member	
11	Any Two External Members from the list below	Member	

Proposed Committee for Chemical Engineering (Plastic & Polymer) Programme			
Internal Member			
Sl. No.	Name	Designation	Reason for Change
1	HoD, Chemical Engineering	Chairman (Ex-Officio)	BoS has already completed the tenure of three successive years
2	Dr. (Mrs. ) M. Mukherjee, Professor	Member	
3	Dr. Gautam Sarkhel, Professor	Member	
4	Dr. (Mrs.) S. Goswami, Professor	Member	
5	Dr. Akhil Kumar Sen, Associate Professor	Member	
6.	Dr. Pulak Datta, Assistant Professor	Member	
7	Dr. A.K. Sinha, Professor, Civil Engg.	Member	
8	Dr. D.P. Mishra, Professor, Mech. Engg.	Member	
9	One student representative of UG programme	Member	
10	One Student representative of PG programme	Member	
11	Any Two External Members from the list below	Member	
Proposed Committee for I.M.Sc Food Technology Programme			
Internal Member			
Sl. No.	Name	Designation	Reason for Change
1	HoD, Chemical Engineering	Chairman (Ex-Officio)	BoS has already completed the tenure of three successive years
2	Dr. (Mrs. ) M. Mukherjee, Professor	Member	
3	Dr. Gautam Sarkhel, Professor	Member	
4	Dr. (Mrs.) S. Goswami, Professor	Member	
5	Dr. Akhil Kumar Sen, Associate Professor	Member	
6.	Dr. Anupam Roy, Assistant Professor	Member	
7	Dr. A.K. Sinha, Professor, Civil Engg.	Member	
8	Dr. D.P. Mishra, Professor, Mech. Engg	Member	
9	One student representative of UG programme	Member	
10	One Student representative of PG programme	Member	
11	Any Two External Members from the list below	Member	
External Member			
Sl. No.	Name of Member	Designation, Institute/Company, Full Address	
1	Prof. Pallab Ghosh	Professor, Dept. of Chemical Engineering, IIT, Guwahati, Assam, Pin-781039 pallabg@iitg.ernet.in Phone:+91361 2582253	Member
2	Prof. Siddhartha Datta	Professor, Dept. of Chemical Engineering, Jadavpur University, 188, Raja S.C. Mallick Rd, Kolkata 700032	Member
3	Prof. H.N. Mishra,	Professor, Department of Food and Agriculture Engineering, IIT Kharagpur Pin- 721302	Member
4	Prof. Priyabrata Sarkar	Professor, University College of Science and Technology, Rashbihari Prangan, Kolkata, University of Calcutta, Pin-700092	Member
5	Dr. Pinakpani Biswas	Principal Scientist, Environment Research Group R&D, Tata Steel Ltd., Jamshedpur-831007 Phone: 0657- 2148972, Mobile:+91- 9204058892 Email: biswaspinakin@gmail.com	Member
6.	Prof. Sudhhasatwa Basu	Director, CSIR - IMMT Institute of Minerals and Materials Technology Contact: +91-674-256-7126, +91-674-237-9400 Email: sbasu@immt.res.in, dir@immt.res.in	Member

The Academic Council did not consider the the reconstitution of Board of Studies (BoS) proposed by the following DAC / OAC as the proposed members constitution was not as per BIT norms. Further, the Council advised the concerned departments to review the BoS constitution and get included the students' representatives and members from Off-campuses wherever the same courses are being offered.

- i) Bio-Engineering
- ii) Production Engineering
- iii) Civil and Environmental Engineering
- iv) Computer Science & Engg.
- v) Electrical & Electronics Engineering, BIT Mesra, Ranchi
- vi) Management
- vii) Hotel Management and Catering Technology
- viii) Pharmaceutical Sciences & Technology
- ix) BIT, Jaipur Campus & BIT Noida Campus  
For Both UG & PG Courses (B.Sc. Animation & Multimedia and M.Sc. Animation Design)

100.08. Constitution of Board of Studies

Based on the recommendation of the DAC, Academic Council approved the Board of Studies of the following departments.

University-Polytechnic		
Proposed Board of Studies for BMLT Programme		
Internal Member		
Sl. No.	Name	Designation
1	Dean AP, BIT, Mesra	Chairperson (Ex-Officio)
2	Director	Vice-Chairs
3	Controller of Examination	Vice-Chairs
Sl.No.	Internal Members	
1	Mrs. Rekha Kumari, Coordinator, Manufacturing Engineering	
2	Manoj Kumar, Coordinator, Mechanical & Automobile Engineering	
3	Rakesh, Mechanical Engineering	
4	P.Toppo, Automobile Engineering	
5	Dr. G.M.Ansari, Coordinator, Computer Engineering	
6	Ramnish Sinha, Computer Engineering	
7	Dr. Sumana Kumari, Coordinator, Electronics Engineering	
8	Dr. Meena Singh, Coordinator, Electrical & Electronics Engineering	
9	N.K.Mukherjee, Electrical & Electronics Engineering	
10	Dr. Neeru Singh, BMLT	
11	Dr. Mohd. Neyaz Ahsan, Coordinator, BMLT	

Subject Experts from Academic Institute:		
Sl.No.	Name, Designation and Full Address	
1	HOD, EEE, BIT, Mesra	Member
2	HOD, ECE, BIT, Mesra	Member
3	HOD, CSE, BIT, Mesra	Member
4	HOD, Pharmacy, BIT, Mesra	Member
5	HOD, Mechanical, BIT, Mesra	Member
6	HOD, Production, BIT, Mesra	Member
Members from Industry:		
Sl. No.	Name, Designation and Full Address	
1	Arvind Prasad, General Manager, BSNL (Electronics)	Member
2	N.C.Agrawal, CEO, Meditron, Ranchi (Electronics)	Member
3	Pratyush Pathak, SDE, BSNL (Computer)	Member
4	Ashok Prabhakar, SDE, BSNL (Computer)	Member
5	Dr. Noman Alam, Microbiologist, Medanta, Ranchi	Member
6	Arvind Kumar, GM, JSPL, Patratu	Member
7	Dr. P.K.Chaterjee, GM, MECON, Representative from HEC	Member
8	Ms. Sada Firdaus Alam, Guest Faculty, University Polytechnic, BIT, Mesra	Member

Proposed Board of Studies for Diploma in Engineering Programme		
Internal Member		
Sl. No.	Name	Designation
1	Dean AP, BIT, Mesra	Chairperson (Ex-Officio)
2	Director	Vice-Chairs
3	Controller of Examination	Vice-Chairs
Sl.No.	Internal Members	
1	Dr. Shambhu Sharan Kumar, Coordinator, Applied Science	
2	Ramkesh, Manufacturing Engineering	
3	Mrs. Rekha Kumari, Coordinator, Manufacturing Engineering	
4	Manoj Kumar, Coordinator, Mechanical & Automobile Engineering	
5	Rakesh, Mechanical Engineering	
6	P.Toppo, Automobile Engineering	
7	Dr. G.M.Ansari, Coordinator, Computer Engineering	
8	Ramnish Sinha, Computer Engineering	
9	Dr. Sumana Kumari, Coordinator, Electronics Engineering	
10	Dr. Meena Singh, Coordinator, Electrical & Electronics Engineering	
11	N.K.Mukherjee, Electrical & Electronics Engineering	
12	Dr. Neeru Singh, BMLT	
13	Dr. Mohd. Neyaz Ahsan, Coordinator, BMLT	
14	Dr. T.K.Parashar, Physics	
15	Rohit Kamal Chatterjee, Mathematics	
Subject Experts from Academic Institute:		
Sl.No.	Name, Designation and Full Address	
1	HOD, EEE, BIT, Mesra	Member
2	HOD, ECE, BIT, Mesra	Member
3	HOD, CSE, BIT, Mesra	Member
4	HOD, Pharmacy, BIT, Mesra	Member
5	HOD, Mechanical, BIT, Mesra	Member
6	HOD, Production, BIT, Mesra	Member

Members from Industry:		
Sl. No.	Name, Designation and Full Address	
1	Arvind Prasad, General Manager, BSNL (Electronics)	Member
2	N.C.Agrawal, CEO, Meditron, Ranchi (Electronics)	Member
3	Pratyush Pathak, SDE, BSNL (Computer)	Member
4	Ashok Prabhakar, SDE, BSNL (Computer)	Member
5	Dr. Noman Alam, Microbiologist, Medanta, Ranchi	Member
6	Arvind Kumar, GM, JSPL, Patratu	Member
7	Dr. P.K.Chaterjee, GM, MECON, Representative from HEC	Member
8	Ms. Sada Firdaus Alam, Guest Faculty, University Polytechnic, BIT, Mesra	Member

100.09. Revision of the Course Structure of Diploma in Engineering and BMLT and Syllabus of the first two semesters of both the courses.

Meeting Title:	Board of Studies, University Polytechnic, B.I.T. Mesra
Meeting Purpose:	Revision of the Course Structure of Diploma in Engineering and BMLT and Syllabus of the first two semesters of both the courses.
Meeting Date:	01.08.2018
Meeting Time:	10:00 AM – 5:30 PM
Meeting Location:	B-Block, University Polytechnic Campus, B.I.T. Mesra
Attended:	<ol style="list-style-type: none"> <li>1. Dr. P. Padmanabhan (Dean-AP) - Chairperson</li> <li>2. Dr. S.S. Solanki (Director-Univ. Polytechnic) - Vice-Chair</li> <li>3. Dr. J.P Pandey (Controller of Examinations) - Vice-Chair</li> <li>4. Dr. Vandana Bhattacharyya- Institute Member</li> <li>5. Dr. Mahesh Chandra- Institute Member</li> <li>6. Dr. P. Thakura- Institute Member</li> <li>7. Dr. S. Samanta- Institute Member</li> <li>8. Dr. Paveen Mishra- Institute Member</li> <li>9. Dr. Sanjay Jha- Institute Member</li> <li>10. Dr. G.M. Ansari- Internal Member</li> <li>11. Ramnish Sinha- Internal Member</li> <li>12. Dr. Meena Singh- Internal Member</li> <li>13. N.K. Mukherjee- Internal Member</li> <li>14. Dr. Sumana Kumari- Internal Member</li> <li>15. Dr. Mohd. Neyaz Ahsan- Internal Member</li> <li>16. Dr. Neeru Singh- Internal Member</li> <li>17. Manoj Kumar Jha- Internal Member</li> <li>18. Rakesh- Internal Member</li> <li>19. Mrs. Rekha Kumari- Internal Member</li> <li>20. P.Toppo- Internal Member</li> <li>21. Ramkesh- Internal Member</li> <li>22. Rohit Kamal Chatterjee - Internal Member</li> <li>23. N.C. Agrawal- Industry Member</li> <li>24. Dr. Noman Alam- Industry Member</li> <li>25. Arvind Kumar - Industry Member</li> <li>26. Dr. P.K.Chaterjee - Industry Member</li> <li>27. Dhiman Das- Industry Member</li> <li>28. Ms. Sada Firdaus Alam, Guest Faculty</li> </ol>
Absentees:	<ol style="list-style-type: none"> <li>1. Arvind Prasad, General Manager, BSNL (Electronics) - Industry Member</li> <li>2. Pratyush Pathak, SDE, BSNL (Computer) - Industry Member</li> </ol>



	3. Ashok Prabhakar, SDE, BSNL (Computer)- Industry Member
Meeting Facilitator	Niraj Kumar
Minutes Issued By:	Prof. (Dr.) S.S. Solanki, Director, University Polytechnic, B.I.T. Mesra

Discussion:
<p><b>Credit Scheme</b></p> <ul style="list-style-type: none"> <li>▪ 1:1 credit for theory and 2:1 credit for sessionals</li> <li>▪ Each course will have a total credit of 145.</li> <li>▪ The first two semesters are common for all branches in Diploma in Engineering and the credits accorded are 48 for the first year (first two semesters).</li> </ul> <p><b>Marks Scheme</b></p> <ul style="list-style-type: none"> <li>▪ End –Semester Examination of 50 marks (5 questions of 10 marks each from each module).</li> <li>▪ Mid-Semester Examination of 25 marks.</li> <li>▪ 2 Quiz/ Assignments/Tests of 10 marks each; 1 prior to mid-semester and 1 post mid – semester</li> <li>▪ Subject teacher’s assessment of 5 marks.</li> </ul> <p><b>Syllabus Format and Content</b></p> <ul style="list-style-type: none"> <li>▪ The content to be distributed in 5 modules.</li> <li>▪ Each Module should contain headings of topics and a brief description of the subtopics to be covered.</li> <li>▪ The text and reference books and resources to be mentioned at the end of the syllabus; after 5<sup>th</sup> module.</li> <li>▪ The text and reference books should be specific and large lists of references should not be mentioned to avoid confusion.</li> <li>▪ The content should be in line with the title/name of the subject.</li> </ul> <p><b>Contact Hours</b></p> <ul style="list-style-type: none"> <li>▪ The duration of each class/lecture period is 60 minutes.</li> <li>▪ The contact period should range from 28 to 36 hours per week; with minimum of 28 and maximum of 36 hours per week.</li> </ul> <p><b>English: Methods suggested to improve Spoken and Writing Abilities among students</b></p> <ul style="list-style-type: none"> <li>▪ Ways to improve communication of students were discussed.</li> <li>▪ Introduce language labs.</li> <li>▪ Reading passages aloud.</li> <li>▪ Class/Lectures should be delivered only in English ; for all subjects</li> <li>▪ Assign Days or hours for solely speaking in English.</li> <li>▪ Teachers should themselves inculcate the habit of speaking in English during working hours.</li> </ul>

#### Decisions Made:

1. Introduction of Basic Physics and Basic Chemistry in Semester-I
  - The two subjects with their associated labs are introduced in place of Applied Science I
2. Introduction of Engineering Physics and Engineering Chemistry in Semester-II
  - The two subjects with their associated labs are introduced in place of Applied Science II
3. Introduction of Basic Mathematics and Engineering Mathematics in Semester I and II respectively
  - a. The two subjects are introduced in place of Mathematics I and Mathematics II of Semester I and II respectively

4. Introduction of Professional Practices
  - a. The subject is introduced in Semester I through Semester IV
  - b. Planned interactions with industry personnel to be arranged in the form of invited talks on specified topics and notified beforehand on the basis of availability of the speaker.
5. PT and Games/NSS/NCC/CA to be restricted to first 3 Semesters
  - a. The PT and Games/NSS/NCC/CA was a part of the curriculum for first 4 semesters earlier
  - b. The time and credit can be utilized for other awareness and development.
6. Introduction of Development of Life Skills in Semester II
  - o Development of personal skills and approaches like self-confidence, self-motivation, willingness to take risks
  - o Self-development by imbibing health, management, time management and stress management
  - o Bettering study skills, presentation skills, organizing skills etc.
7. Introduction of Environmental Science in Semester IV for Diploma in Engineering and Semester III for BMLT
  - o EVS is mandatory as per AICTE
8. AICTE in its Model curriculum(2018) for UG programs, proposed introduction following Mandatory subjects(Non-Credit):
  - a. Environmental Science
  - b. Essence of Indian Knowledge Tradition
  - c. Constitution of India
  - d. NCC/NSS
  - e. Induction program
9. Environmental Science is introduced in BMLT program in 3<sup>rd</sup> semester.
10. It is also decided to introduce Essence of Indian Knowledge Tradition and Constitution of India in BMLT program in final year as non-credit.
11. Introduction of Technical English in Semester I and Communication Skill in Semester II
  - o To improve and emphasize spoken as well as writing skills in English
  - o Earlier only one theory of English was allocated in Semester I
12. Addition in the List of Electives offered in Diploma in Electronics Engineering
  - o Internet of Things can be offered as an elective in Semester VI
  - o Mechatronics can be offered as an elective in Semester VI
13. For Workshop II in BMLT
  - o Bio-Medical Waste guidelines should be adopted
  - o Quality Assurance in Medical Lab. Technology to be incorporated
  - o Some aspects of bio analytical equipments to be included
  - o Some aspects of hospital management and administration to be included
  - o The modalities and marking should be defined as in practical record
14. Changes in syllabus of Applied Microbiology and Histopathology
  - o 1 Module of Parasitology should be added to Applied Microbiology
  - o 1 module of Cytology in Histopathology for BMLT.
  - o Serology Lab. to be introduced in BMLT.

Course Structure and Syllabus of Diploma in Engineering and BMLT - all Branches are annexed.

Academic Council accorded its approval.

100.10. BITEC-Jaipur

Branch Change norms in BE III rd Semester and status of vacant SC/ST Seats

In view of inclination of reserved category students towards government sector jobs, as such to prefer low fees structure Government Engineering Institute, mostly reserved category seats remain vacant during the admission session and thereafter in the whole course. We recommend to offer these vacant reserved category seats to general category students in III rd semester keeping the same 8.0 CGPA norms. This would improve admission prospects as the bright students who were not allotted branch of their choice would have hope to get these in IIIrd semester and thus could decide to take admission.

The Academic Council did not accord its approval.

100.11. Department of Electronics and Communication Engineering

Restructuring/Renaming of existing PG Programmes

Existing PG Programmes	Restructured / Renamed PG Programmes	Reason for change
Microwave Engineering	Communication Systems	Existing specializations are old, classical and not being offered by most of the IITs. Since the admission is drastically dropping and to make the department a CENTER OF EXCELLENCE, restructuring and renaming of these PG programmes is necessary.
Wireless Communication		
Instrumentation	Signals & Systems	Instrumentation is an outdated specialization and not being offered by most of the IITs. Moreover, the research domain of most of the teachers involved in this specialization is signal processing such as image processing, speech processing, digital signal processing biomedical signal processing etc.
	Microelectronics & VLSI Design	Microelectronics & VLSI Design is an industry-demanding and student attracting PG programme which is offered successfully by all the institutes (checked 1-31 NIRF ranking institute). This PG programme must be offered to make the department a CENTER OF EXCELLENCE. The department has necessary labs and software for offering this programme.

The matter deferred to the department by the Academic Council

100.12. Department of Architecture - Change of Name of the Department.

The Departmental Academic Committee and Departmental Policy Committee in its meeting held on 05.09.2018 in coherence with the decision taken in Departmental Faculty meeting in its meeting held on 20.08.2018 has proposed to change the name of the Department from 'Department of Architecture' to 'Department of Architecture and Planning' as it reflects both courses being offered in the undergraduate and postgraduate level.

The Academic Council deferred its approval.

100.13. Department of Architecture

Change of name of PG course from 'the Masters in Urban Planning' to 'Masters in Planning'.

The Departmental Academic Committee in its meeting held on 20.08.2018, proposed to change the name of the PG course Masters in Urban Planning to Masters in Planning in conformity with the prescription of AICTE and UGC.

The Academic Council deferred its approval.

100.14. Department of Architecture - Introduction of PhD in Planning

The Departmental Academic Committee and Departmental Policy Committee in its meeting held on 05.09.2018, proposed to introduce PhD in Planning along with PhD in Architecture as there are few research scholars who are doing their PhD in the area of Planning and the Planning is absolutely different from Architecture. So for research scholar who has registered before 2018, PhD in Planning may be awarded to them on advice of the Doctoral Committee.

The Academic Council deferred its approval.

100.15. Proposal from Dean (Admission & Academic Coordination)

i) Closure of Programmes

Sl.No.	Name of Course	Name of Programme	Level
1.	Clinical Resrach	M.Pharm.	PG

The Academic Council approved closure for the Clinical Research.

ii) Change in the nomenclature of the courses

Sl.No.	Name of Course	Name of Programme	Level	Change to
1.	Computer Science	B.Tech.	UG	Computer Science & Engineering
2.	Quality Assurance and Regularity Affairs	M.Pharm.	PG	Pharmaceutical Quality Assurance
3.	Instrumentation and Control	M.Tech.	PG	Instrumentation


The Academic Council accorded its approval.

- 100.16. Correction of course code  
HoD, ECE proposed correction of the following course code.
- i) EC514 Advanced Digital Signal Processing to be changed to EC522 Advanced Digital Signal Processing.
  - ii) EC501 Microwave & Mm-Wave Integrated Circuits and Application to be changed to EC550 Microwave & Mm-Wave Integrated Circuits and Application.
  - iii) EC550 Microwave Semiconductor Devices to be changed to EC501 Microwave Semiconductor Devices.

The Academic Council accorded its approval

- 100.17. Reporting Items  
Based on the recommendations of the Doctoral Committee (DC) and Departmental Academic Committee (DAC) / Off-campus/Off-shore campus (OAC), the following routine activities of the Ph. D. Candidates were approved by the Dean (Academic Programmes). The same were reported in the Academic Council meeting which are enclosed as Annexure-1

1. Registration, formation of Doctoral Committee	:	[130 candidates]
2. Pre-Ph.D. Qualifying Papers	:	[130 candidates]
3. Change / Modification in the Ph. D. Thesis / Title	:	[19 candidates]
4. Reconstitution of Doctoral Committee	:	[100 candidates]
5. Addition / Change of Guide	:	[19 candidates]
6. De-Registration from the Ph.D. Programme	:	[18 candidates]
7. Permission for extension for pursuing Ph.D. programme	:	[42 candidates]
8. Transfer from Full Time to Part Time	:	[13 candidates]
9. Transfer from Part Time to Full Time	:	[02 candidates]
10. Transfer from BIT main campus to Patna campus	:	[04 candidates]
11. Re-structuring of Departmental Academic Committee / (DAC) / Off-Campus Academic Committee (OAC)/ (EEE, Management, Mech. Engg., Civil & Env. Engg. Bio-Engg., ECE, Chemistry, Architecture, BITEC, Patna & Deoghar]	:	[10 Departments]



(A.P. Krishna)  
Registrar & Secretary  
Academic Council

Dated: 22/09/2019