

MANDATORY DISCLOSURE

1. NAME OF THE INSTITUTION:

TECHNO INTERNATIONAL BATANAGAR

B7-360/New, Putkhali, Ward No. 30, Maheshtala, Kolkata – 700141

Phone Number: +91 (033) 2490 5050/ 0059/ 0011

Fax Number: 033 2490 0002

Website: www.tib.edu.in

Email: tib@tib.edu.in

2. NAME AND ADDRESS OF THE TRUST AND THE TRUSTEES:

BATANAGAR EDUCATION & RESEARCH TRUST

Chatterjee International Centre, Room No. 4 & 5, 12th Floor, 33a, J. L. Nehru Road, Kolkata – 700071

TRUSTEES:

Sri. Satyam Roychowdhury, Chairman & Managing Trustee

Sri. Rabindranath Lahiri, Vice Chairman

Smt. Mousumi Roychowdhury, Secretary

Sri. Sumanta Chatterjee, Treasurer

Dr. Aprita Majumder, Member – Trustee

Sri. Sujit Kumar Poddar, Member – Trustee

Sri. Tapan Kumar Ghosh, Member – Trustee

Sri. Bhaskar Gupta, Member – Trustee

Smt. Mahua Gupta, Member – Trustee

3. NAME AND ADDRESS OF THE DIRECTOR:

PROF. (DR.) RATIKANTA SAHOO

Techno International Batanagar

B7-360/New, Putkhali, Ward No. 30, Maheshtala, Kolkata – 700141

Phone Number: +91 (033) 2490 5050/ 0059/ 0011 Ext. 2002

Fax Number: 033 2490 0002

Website: www.tib.edu.in

Email: principal@tib.edu.in

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4. NAME OF THE AFFILIATING UNIVERSITY & COUNCIL:

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(Formerly known as West Bengal University of Technology)

BF-142, Salt Lake City, Kolkata – 700 064

Phone Number: 033 2321 0731/ 1327

Email: vc@wbut.ac.in

WEST BENGAL STATE COUNCIL OF TECHNICAL & VOCATIONAL EDUCATION & SKILL DEVELOPMENT

Karigari Bhavan, 4th Floor, Plot No. B/7, Action Area-III, Newtown, Rajarhat, Kolkata-700160

Phone Number: 033 2227 7592 / 7070

Email: chairman@webscte.org

5. GOVERNANCE:

5.1 Members of the Board and their Brief Background:

COMPOSITION OF GOVERNING BODY		
Members Name	Designation by Profession	Position in BOG
Prof. S. M. Chatterjee	Academician	Chairman
Mr. S Roychowdhury	Technopreneur	Member
Mr. T. K. Ghosh	Technopreneur	Member
Mr. R. N. Lahiri	Technopreneur	Member
Mr. Bhaskar Gupta	Technopreneur	Member
Mr. Pranabesh Das, Nominee of the State Govt.	Director of Technical Education, Govt. of West Bengal	Member
Nominee of AICTE	Regional Officer : Ex-Officio	Member
Nominee of MAKAUT	Representative of MAKAUT	Member
Dr. Sajal Dasgupta	Academician	Member
Dr. Milan Bhattacharjee	Academician	Member
Mr. A. K. Ghosh	Technopreneur Nominee of the Trust	Member
Mr. A. Adhikary	Academic Administrator Nominee of the Trust	Member
Dr. A. Ray	Academic Administrator Nominee of the Trust	Member
Representative from Professor		Member
Dr. Ashok Kumar Naskar	Representative from Associate Professor	Member
Mr. Sudipta Paul	Representative from Assistant Professor	Member
Prof. (Dr.) Ratikanta Sahoo	Director, TIB Nominee of Trust	Member Secretary

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5.2 Members of Academic Advisory Body:

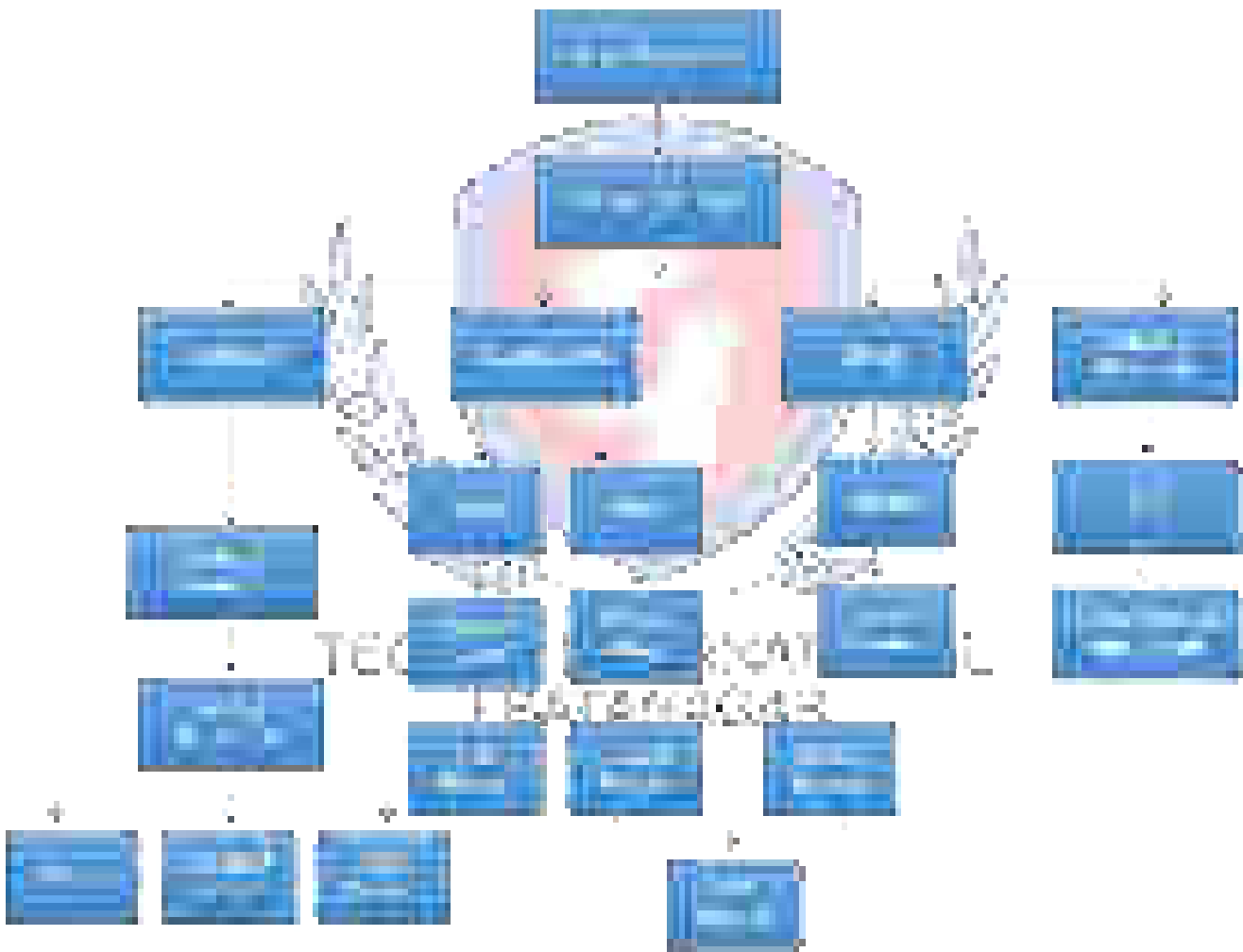
Please refer Annexure - I

5.3 Frequently of The Board Meeting and Academic Advisory Body:

Normally, BOG Meeting held 3 to 4 times in an academic year, on executive affairs. Last meeting of the GB was held on: 17th January, 2022.

Academic Advisory Council Meeting held once in every month.

5.4 Organizational Chart and Processes:



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5.5. Student Feedback on Institutional Governance/ Faculty Performance:

Online Student Feedback is taken twice in a semester and four times in a year. The feedback is analyzed by the Principal and Academic Coordinator and suitable action is generated from the Office of the Principal.

5.6. Establishment of Anti Ragging Committee:

Please refer Annexure - II

5.7. Establishment of Online Grievance Redressal Mechanism:

Online Grievance Redressal Mechanism is available in the Institute website. Any stakeholder can place their grievance which is processed accordingly.

5.8. Establishment of Grievance Redressal Committee in The Institution and Appointment of Ombudsman by The University:

Please refer Annexure - III

5.9. Establishment of Internal Complaint Committee (ICC):

Please refer Annexure - IV

5.10. Establishment of Committee for SC/ ST:

Please refer Annexure - V

5.11. Internal Quality Assurance Cell:

Please refer Annexure - VI

6. PROGRAMMES

6.1 Name of Programmes Approved by AICTE

- B.Tech in Civil Engineering
- B.Tech in Computer Science & Engineering
- B.Tech in Electronics and Communication Engineering
- B.Tech in Electrical Engineering
- B.Tech in Mechanical Engineering
- Diploma in Civil Engineering
- Diploma in Mechanical Engineering

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6.2 For each Programme the following details are to be given:

Course	Intake	Duration
B.Tech in Civil Engineering	60	4 Years
B.Tech in Computer Science & Engineering	120	4 Years
B.Tech in Electronics & Communication Engineering	60	4 Years
B.Tech in Electrical Engineering	30	4 Years
B.Tech in Mechanical Engineering	30	4 Years
Diploma in Civil Engineering	60	3 Years
Diploma in Mechanical Engineering	60	3 Years

❖ Cut off rank of admission during the last three years:

Course Name	Opening Rank			Closing Rank		
	2021-22	2020-21	2019-20	2021-22	2020-21	2019-20
B.Tech in CE	27752	47638	21787	45869	52669	76074
B.Tech in CSE	8625	12198	11740	64611	69733	79293
B.Tech in ECE	23196	23809	28062	60920	70047	77852
B.Tech in EE	49678	57550	57192	59788	67045	72797
B.Tech in ME	57683	61911	54615	57683	61911	78653

❖ Fees:

For B.Tech:

General Entry - ₹ 4,84,000/- (4 Years)

Lateral Entry - ₹ 2,40,000/- (3 Years)

For Diploma:

Through Counseling - ₹ 97,000/- (3 Years)

Through Direct - ₹ 1,12,000/- (3 Years)

❖ Placement Facilities:

- More than 70 companies visited every year for recruitment
- Value added Training Programme organized for every student from 1st Semester onwards.
- Pre-placement Training Programme provided for Final Years Students.
- AMCAT Examination organized for Final Years Students.

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❖ Campus Placement in last three years:

Placement Details of 2021 Pass-out Batch							
Stream	Total No. of Students	Students Eligible (>60%)	Students Eligible (<60%)	Total Placed (Eligible)	Total Placed (Non - Eligible)	Company Visited	% Placed (Based on Eligibility)
B.Tech - CE	19	7	12	2	0		28.57
B.Tech - CSE	38	32	6	25	0		78.13
B.Tech - ECE	25	19	6	18	0		94.74
B.Tech - EE	22	12	10	9	0		75.00
B.Tech - ME	15	7	8	1	0		14.29
Diploma - CE	10	5	5	3	0		60.00
Diploma - ME	15	8	7	8	6		100.00
Placement Details of 2020 Pass-out Batch							
Stream	Total No. of Students	Students Eligible (>60%)	Students Eligible (<60%)	Total Placed (Eligible)	Total Placed (Non - Eligible)	Company Visited	% Placed (Based on Eligibility)
B.Tech - CE	28	19	9	3	0	12	15.79
B.Tech - CSE	59	34	25	30	1	38	88.24
B.Tech - ECE	39	28	11	14	1	27	50.00
B.Tech - EE	25	8	17	8	0	17	100.00
B.Tech - ME	19	9	10	2	0	13	22.22
Diploma - CE	18	10	8	3	0	4	30.00
Diploma - ME	31	13	18	7	0	3	53.85
Placement Details of 2019 Pass-out Batch							
Stream	Total No. of Students	Students Eligible (>60%)	Students Eligible (<60%)	Total Placed (Eligible)	Total Placed (Non - Eligible)	Company Visited	% Placed (Based on Eligibility)
B.Tech - CE	43	8	35	8	3	13	100.00
B.Tech - CSE	50	37	13	23	0	46	62.16
B.Tech - ECE	20	14	6	7	0	27	50.00
B.Tech - EE	12	11	1	3	0	22	27.27
B.Tech - ME	16	9	7	9	1	19	100.00
Diploma - CE	30	15	15	1	0	3	6.67
Diploma - ME	36	21	15	10	0	3	47.62

7. FACULTY

7.1. Branch wise list Faculty Members:

- Permanent Faculty : 80
- Adjunct Faculty : 00
- Faculty : Student Ratio : For B.Tech 1:20
For Diploma 1:25

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8. PROFILE OF DIRECTOR

i.	Name	:	Prof. (Dr.) Ratikanta Sahoo
ii.	Date of Birth	:	12 th April 1967
iii.	Unique ID	:	
iv.	Education Qualification	:	Ph.D
v.	Work Experience:		
	a. Teaching	:	24
	b. Research	:	04
	c. Industry	:	00
	d. Others	:	Nil
vi.	Area of Specialization	:	Mechanical Engineering (Mining)
vii.	Project Guide (UG)	:	23
viii.	Project Guide (PG)	:	05
ix.	No. of Book Published	:	06
x.	Paper Published (National Level)	:	03
xi.	Paper Published (International Level)	:	32

9. FEES

9.1. Details of fee, as approved by State Fee Committee, for the Institution:

- ₹ 91,300/- Annual Tuition Fees
- ₹ 5,000/- Admission Fees is charges at the time of admission (one time)
- ₹ 1,000/- Annual Students Welfare and Sports and Games Fees
- ₹ 1,500/- Annual Library cum Book Bank Fees
- ₹ 10,000/- as Caution Deposit is charged at the time of admission (one time)

9.2. Time Schedule for Payment of Fee for the entire Programme:

Semester wise in the months of June & January of every year

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9.3. No. of Fee waivers granted with amount and name of students:

Sl. No.	Name of the Students	Programme	Course	Registration Year	Discount Amount
01	Arkodeep Dutta	B.Tech	CSE	2020-21	2 nd to 8 th Sem
02	Riya Chakraborty	B.Tech	CSE	2019-20	4 th to 8 th Sem
03	Abhishek Mukherjee	B.Tech	ECE	2016-17	6 th to 8 th Sem
04	Debabrata Bhandari	B.Tech	CSE	2015-16	7 th to 8 th Sem
05	Pintu Kumar	B.Tech	ECE	2016-17	8 th Sem
06	Dwaipayan Das	B.Tech	EE	2017-18	4 th to 8 th Sem
07	Debopriyo Mukherjee	B.Tech	EE	2016-17	2 nd to 8 th Sem
08	Abdul Kayum Sardar	B.Tech	EE	2013-14	8 th Sem
09	Paramita Giri	B.Tech	CE	2015-16	4 th to 8 th Sem
10	Jyotirmoy Banerjee	B.Tech	ME	2015-16	4 th to 8 th Sem
11	Shaoni Mukherjee	B.Tech	CE	2013-14	6 th to 8 th Sem
12	Tarique Aziz Molla	B.Tech	ME	2012-13	8 th Sem
13	Debojyoti Biswas	B.Tech	ME	2012-13	8 th Sem

9.4. Criteria for fee waivers/scholarship:

- i. SC/ST/OBC Scholarship given by Govt. of West Bengal
- ii. Minority Scholarship given by Govt. of India
- iii. Managing Director Scholarship
- iv. Swami Vivekananda Merit Scholarship
- v. Kanyashree Scholarship
- vi. MAKAUT student welfare scheme (for parent's death)

9.5. Estimated cost of Boarding and Lodging in Hostels:

₹ 6,000/- per month including Fooding & Lodging

10. ADMISSION

Number of seats sanctioned with the year of approval.

Programme	Course	2021-22		2020-21		2019-20	
		Approved Intake as per AICTE	Approved Intake as per MAKAUT	Approved Intake as per AICTE	Approved Intake as per MAKAUT	Approved Intake as per AICTE	Approved Intake as per MAKAUT
B.Tech	CE	60	60	60	60	60	60
	CSE	120	120	120	120	60	60
	ECE	60	60	60	60	60	60
	EE	30	30	30	30	60	60
	ME	30	30	30	30	60	60

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Programme	Course	2016-17		2017-18		2018-19	
		Approved Intake as per AICTE	Approved Intake as per WBSCT&VE&SD	Approved Intake as per AICTE	Approved Intake as per WBSCT&VE&SD	Approved Intake as per AICTE	Approved Intake as per WBSCT&VE&SD
Diploma	CE	60	60	60	60	60	60
	ME	60	60	60	60	60	60

11. ADMISSION PROCEDURE

For Admission to B.Tech Programme: Ninety percent Seat allotment is made by the West Bengal Joint Entrance Examination Board on the basis of the rank secured and on-line choice filling by the rank holders in Joint Entrance Examination and ten percent Seat allotment is made from Joint Entrance Examination (Main). Five percent Tuition Fee Waiver (TFW) over and above intakes are directly allotted by the West Bengal Joint Entrance Examination Board amongst the rank-holders.

Twenty percent Lateral admission over and above intake in second year is allotted by the West Bengal Joint Entrance Examination Board amongst the rank-holders who use to participate in on-line choice filling.

11.1. Mention the admission test being followed, name and address of the Test Agency and its URL (website)

JEE (Main)	-	www.jeemain.nic.in
WBJEEB	-	www.wbjeeb.nic.in
JELET	-	www.wbjeeb.nic.in
JEXPO	-	www.webscte.co.in
VOCLET	-	www.webscte.co.in

11.2. Number of seats allotted to different Test Qualified candidate separately (JEE (Main)/ WBJEEB/ JEXPO)

Stream	B.Tech		Diploma	
	JEE (Main)	WBJEEB	JEXPO	MQ
CE	06	54	48	12
CSE	12	108	-	-
ECE	06	54	-	-
EE	03	27	-	-
ME	03	27	48	12

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12. CRITERIA AND WEIGHTAGES FOR ADMISSION

- Participating Candidate besides fulfilling all the eligibility criteria and the terms and conditions as stipulated by the West Bengal Joint Entrance Examinations Board in respect of the examination “**WBJEE**” for admission to any such professional technical courses must have obtained a valid Merit Rank i.e. GMR in the **WBJEE**.
- Candidate must have passed ‘10+2’ examination with Physics and Chemistry along with any one of Mathematics / Biotechnology / Biology / Computer Science / Computer Application as compulsory subjects with individual pass marks (in both theory and practical wherever applicable) in all the three subjects as stated above in regular class mode.
- Must have obtained at least 45% marks (40% in case of candidates belonging to reserved category) in the above three subjects taken together.
- Must have passed English in the ‘10+2’ examination with at least 30% marks.
- The Board of the said Qualifying Examination must be recognized by the Central Government or State Government concerned.

13. INFORMATION OF INFRASTRUCTURE AND OTHER RESOURCES AVAILABLE

- Number of Class Rooms and size of each: 26
- Number of Tutorial rooms and size of each: 05
- Number of Laboratories and size of each: 52
- Number of Drawing Halls with capacity of each: 02
- Number of Computer Centre with capacity of each: 01
- Central Examination Facility, Number of rooms and capacity of each: Yes
- Barrier Free Built Environment for disabled and elderly persons: Yes
- Occupancy Certificate: Yes
- Fire and Safety Certificate: Yes
- Hostel Facilities: Yes
- **Library**

Total No. of Titles	2,490
Total No. of Volumes	19,360
Total No. of International Journals	04
Total No. of National Journals	33
E-Journals	NA

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➤ Laboratory and Workshop

❖ List of Major Equipment/Facilities in each Laboratory/ Workshop

Course / Branch	Semester	Name of the Laboratory as per syllabus
B.Tech - CE, CSE, ECE, EE, ME (N)	1st & 2nd	Physics-I Laboratory (BS-PH191 & BS-PH291)
B.Tech - CE, CSE, ECE, EE, ME (N)	1st & 2nd	Basic Electrical Engineering Laboratory (ES-EE191)
B.Tech - CE, CSE, ME (N)	1st & 2nd	Workshop/Manufacturing Practices (ES-ME192 & ES-ME292)
B.Tech - CE, CSE, ECE, EE, ME (N)	2nd	Programming for Problem Solving (ES-CS291)
B.Tech - CE, CSE, ECE, EE, ME (N)	1st & 2nd	Chemistry-I Laboratory (BS-CH191 & BS-CH291)
B.Tech - ECE, EE (N)	1st & 2nd	Engineering Graphics & Design Lab (ES-ME191 & ES-ME291)
B.Tech - CE (N)	3rd	Basic Electronics Lab - CE(ES)391
B.Tech - CE (N)	3rd	Computer Aided Civil Engineering Drawing - CE(ES)392
B.Tech - CE (N)	3rd	Life Science - CE(ES)393
B.Tech - CE (N)	4th	Fluid Mechanics Lab - CE(ES)491
B.Tech - CE (N)	4th	Solid Mechanics Lab - CE(ES)492
B.Tech - CE (N)	4th	Engineering Geology Lab - CE(ES)493
B.Tech - CE (N)	4th	Surveying & Geomatics Lab - CE(PC)493
B.Tech - CE (N)	4th	Concrete Technology Lab - CE(PC)494
B.Tech - CE (N)	5th	Soil Mechanics Laboratory - CE(PC)594
B.Tech - CE (N)	5th	Environmental Engineering Lab - CE(PC)595
B.Tech - CE (N)	5th	Transportation Engineering Lab - CE(PC)596
B.Tech - CE (N)	5th	Computer Application in CE - CE(PC)597
B.Tech - CE (N)	6th	Water Resource Engineering Lab - CE(PC)693
B.Tech - CE (O)	7th	Environmental Engg. Lab - CE791
B.Tech - CE (O)	7th	Material Testing Lab - CE793
B.Tech - CE (O)	8th	Project Part- II - CE881
B.Tech - CSE (N)	3rd	Python Lab (PCC-CS393)
B.Tech - CSE (N)	3rd	Analog & Digital Electronics Lab (ESC391)
B.Tech - CSE (N)	3rd	Data Structure & Algorithm Lab (PCC-CS391)
B.Tech - CSE (N)	3rd	Computer Organization Lab (PCC-CS392)
B.Tech - CSE (N)	4th	Computer Architecture Lab (PCC-CS492)
B.Tech - CSE (N)	4th	Design & Analysis of Algorithm Lab (PCC-CS494)
B.Tech - CSE (N)	5th	Compiler Design (PCC-CS591)
B.Tech - CSE (N)	5th	Operating Systems (PCC-CS592)
B.Tech - CSE (N)	5th	Object Oriented Programming (PCC-CS593)
B.Tech - CSE (N)	6th	Database Management Systems (PCC-CS691)
B.Tech - CSE (N)	6th	Computer Networks (PCC-CS692)
B.Tech - CSE (N)	6th	Project - I (PROJ-CS681)
B.Tech - CSE (O)	7th	Software Engg. Lab (CS791)
B.Tech - CSE (O)	7th	Artificial Intelligence (CS793C)

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Course / Branch	Semester	Name of the Laboratory as per syllabus
B.Tech – CSE (O)	7th	Internet Technology (CS795A)
B.Tech – CSE (O)	8th	Design Lab (CS891)
B.Tech – ECE (N)	3rd	Electronic Devices Lab (EC391)
B.Tech – ECE (N)	3rd	Digital System Design Lab (EC392)
B.Tech – ECE (N)	3rd	Data Structure Lab (ES-CS391)
B.Tech – ECE (N)	4th	Analog Communication Lab (EC491)
B.Tech – ECE (N)	4th	Analog Electronic Circuits Lab (EC492)
B.Tech – ECE (N)	4th	Microprocessor & Microcontrollers Lab (EC493)
B.Tech – ECE (N)	4th	Numerical Methods Lab (BS-MCS491)
B.Tech – ECE (N)	4th	Soft Skill Development Lab (HS-HU481)
B.Tech – ECE (N)	5th	Electromagnetic Wave Lab (EC591)
B.Tech – ECE (N)	5th	Digital Communication Lab (EC592)
B.Tech – ECE (N)	5th	Digital Signal Processing Lab (EC593)
B.Tech – ECE (N)	6th	Computer Network Lab (EC691)
B.Tech – ECE (N)	6th	Control System and Instrumentation Lab (EC692)
B.Tech – ECE (N)	6th	Mini Project / Electronic Design Workshop (EC681)
B.Tech – ECE (O)	7th	VLSI Design Lab (EC792)
B.Tech – ECE (O)	7th	RF & Microwave Engg. Lab (EC793A)
B.Tech – ECE (O)	7th	DBMS (EC795C)
B.Tech – EE (N)	3rd	Electric Circuit Theory Lab (PC-EE391)
B.Tech – EE (N)	3rd	Analog Electronics Lab (PC-EE392)
B.Tech – EE (N)	3rd	Numerical Methods Lab (PC-GS391)
B.Tech – EE (N)	4th	Electric Machine-I Lab (PC-EE491)
B.Tech – EE (N)	4th	Digital Electronics Lab (PC-EE492)
B.Tech – EE (N)	4th	Electrical & Electronics Measurement Lab (PC-EE493)
B.Tech – EE (N)	4th	Thermal Power Engineering Lab (PC-ME491)
B.Tech – EE (N)	5th	Electric Machine – II Lab (PC-EE591)
B.Tech – EE (N)	5th	Power System – I Lab (PC-EE592)
B.Tech – EE (N)	5th	Control System Lab (PC-EE593)
B.Tech – EE (N)	5th	Power Electronics Lab (PC-EE594)
B.Tech – EE (N)	6th	Power System – II Lab (PC-EE691)
B.Tech – EE (N)	6th	Micro Processor & Micro Controller Lab (PC-EE692)
B.Tech – EE (N)	6th	Electrical & Electronic Design Lab (PC-EE693)
B.Tech – EE (O)	7th	Electric Drive Lab (EE791)
B.Tech – EE (O)	7th	Data base Management System Lab (EE792)
B.Tech – EE (O)	7th	Electrical System Design Lab-I (EE782)
B.Tech – EE (O)	7th	Project- I (EE783)
B.Tech – EE (N)	7th	Electric Drive Lab (PC-EE791)
B.Tech – EE (O)	8th	Project – II (EE881)
B.Tech – EE (O)	8th	Electrical System Design Lab-II (EE882)
B.Tech – ME (N)	3rd	Practice of Manufacturing Processes Lab (PC-ME391)

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Course / Branch	Semester	Name of the Laboratory as per syllabus
B.Tech - ME (N)	4th	Practice of Manufacturing Processes and Systems Lab (PC-ME491)
B.Tech - ME (N)	4th	Machine Drawing Lab (PC-ME492)
B.Tech - ME (N)	5th	Mechanical Engineering Laboratory I (Thermal) (PC-ME591)
B.Tech - ME (N)	5th	Machine Drawing-II (PC-ME592)
B.Tech - ME (N)	5th	Project - I (PC_ME581)
B.Tech - ME (N)	6th	Mechanical Engineering Laboratory II (Design) (PC-ME691)
B.Tech - ME (O)	7th	Advanced Manufacturing Lab (ME791)
B.Tech - ME (O)	7th	Project Part - I (ME781)
B.Tech - ME (N)	7th	ME Lab III - Manufacturing (PC-ME791)
B.Tech - ME (O)	8th	Design of Mechanical System (ME881)
B.Tech - ME (O)	8th	Project Part - II (ME882)
DCE & DME	1st & 2nd	Physics Lab-I & II
DCE & DME	1st & 2nd	Chemistry Lab - I & II
DCE & DME	1st & 2nd	Communication Skill & Development of Life Skill - I
DCE & DME	1st & 2nd	Workshop Practice - I & II
DCE & DME	1st & 2nd	Computer Fundamental
DCE & DME	1st & 2nd	Technical Drawing
DCE	3rd	Engineering Drawing
DCE	3rd	Civil Engineering Lab-I
DCE	5th	Civil Engineering Lab-II
DCE	4th	Field Survey Practice-I
DCE	4th	Geotechnical Engineering Lab
DCE	5th	Civil Engineering Project I
DCE	6th	Field Surveying Practice Ii
DCE	6th	Civil Engineering Project Ii
DCE	6th	Civil Engineering Lab Iv
DME	3rd	Advanced Strength Of Materials
DME	3rd	Thermal Engineering-I
DME	3rd	Professional Practices - I
DME	3rd	Manufacturing Processes I
DME	3rd	M.E. Drawing
DME	4th	Thermal Engineering-Ii
DME	4th	Manufacturing Processes Ii
DME	4th	Engineering Metrology
DME	4th	Elements Of Electrical Engineering
DME	4th	Theory Of Machines & Mechanism
DME	4th	Professional Practice-Ii
DME	5th	Fluid Mechanics & Machinery
DME	5th	Advanced Manufacturing Processes
DME	5th	Measurement & Control

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Course / Branch	Semester	Name of the Laboratory as per syllabus
DME	5th	Power Engineering
DME	5th	Professional Practices - III
DME	5th	Power Plant Engineering
DME	6th	Fluid Power
DME	6th	Alternative Energy Sources & Management
DME	6th	Professional Practices - IV

➤ Computing Facilities

- ❖ Internet Bandwidth : 100 Mbps
- ❖ Number and configuration of System : 250
- ❖ Total number of system connected by LAN : Each
- ❖ Total number of system connected by WAN : Each
- ❖ Major software packages available : 03
- ❖ Special purpose facilities available : Not Applicable

➤ Innovation Cell: Innovation Cell in association with CII

➤ Social Media Cell: Available

➤ List of facilities available

- ❖ Games and Sports Facilities : Available
- ❖ Extra-Curricular Activities : Available
- ❖ Soft Skill Development Facilities : Available

➤ Teaching Learning Process

- ❖ Curricula and syllabus for each of the programmes as approved by the University: Yes (For B.Tech as per MAKAUT and For Diploma as per WBSC&VE&SD)
- ❖ Academic Calendar of the University

MAKAUT ACADEMIC CALENDER FOR 2021-22			
Odd Semester 2021-22		For Continuing Batch	New Batch
1	Commencement of University Registration Process online for newly admitted students	NA	Aug 25, 2021
2	Admission Activities (for ensuring new students) to be completed by	NA	Sept. 15, 2021
3	Commencement of Academic Programme (AICTE Course)	Aug 31, 2021	Sept. 15, 2021

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4	Registration Activities (for ensuring newly admitted students for the session 2020-21) will be completed by	NA	Oct. 25, 2021
5	Enrollment of students	Sept. 01-10, 2021	-
6(a)	Submission of continuous evaluation (CA I)	Oct 01-04, 2021	Dec 14-17, 2021
6(b)	Submission of continuous evaluation (CA II & PCA I)	Nov 01-04, 2021	Jan 10-13, 2022
6(c)	Submission of continuous evaluation (CA III)	Dec 01-04, 2021	Jan 31 – Feb 03, 2022
6(d)	Submission of continuous evaluation (CA IV & PCA II)	Jan 02-05, 2022	Feb 18-21, 2022
7	Pre Examinations Activities / form fill-up	Jan 06-14, 2022	Feb 22-25, 2022
8(a)	Practical Examinations, Sessional & Viva Voce	Jan 15-25, 2022	Mar 10-15, 2022
8(b)	Theory Examinations	Jan 17-29, 2022	Mar 07-15, 2022
9(a)	Last Date of submission MAR (Phase I)	30 th Nov, 2021	-
9(b)	Last Date of submission MAR (Phase I)	31 st Jan, 2022	-
Even Semester 2021-22			
1	Commencement of Academic Programme	Feb 01, 2022	
2	Enrolment of students	Feb 01-10, 2022	
3(a)	Submission of continuous evaluation (CA I)	Mar 01-04, 2022	
3(b)	Submission of continuous evaluation (CA II & PCA I)	April 01-04, 2022	
3(c)	Submission of continuous evaluation (CA III)	May 01-04, 2022	
3(d)	Submission of continuous evaluation (CA IV & PCA II)	June 01-04, 2022	
4	Pre Examinations Activities / form fill-up	June 05-18, 2022	
5(a)	Practical Examinations, Sessional & Viva Voce	June 20-30, 2022	
5(b)	Theory Examinations	June 20-30, 2022	
6(a)	Publication of Result (Final Semester)	Result will be announced in the University website in July 2022	
6(b)	Publication of Result (Other than Final Semester)	Result will be announced in the University website in August 2022	
7(a)	Last Date of submission MAR (Phase I)	30th April 2022	
7(b)	Last Date of submission MAR (Phase I)	30th June 2022	
During Inter-Semester Break (summer), Practical Training (where applicable) may be conducted)			
Separate Supplementary Examinations for Final Year student will be held tentatively in September 2022. Details will be available in the University website in due course.			
Announcement regarding other activities will be available in the University website in due course.			

MANDATORY DISCLOSURE

14. LOA AND SUBSEQUENT EOA TILL THE CURRENT ACADEMIC YEAR:

Please refer Annexure - VII

15. ACCOUNTED AUDITED STATEMENT FOR THE LAST THREE YEARS

Please refer Annexure - VIII

16. BEST PRACTICES ADOPTED, IF ANY

Please refer Annexure - IX



ANNEXURE – I

*Members of Academic
Advisory Body*

TECHNICAL MANUAL PACHAQUE

1. IDENTIFICATION

2. GENERAL INFORMATION

GENERAL

1.1. This manual describes the technical characteristics and the use of the equipment.

1.1.1. Description

1.1.1.1. Model

1.1.1.2. Version

1.1.2. Features

1.1.2.1. Main features

1.1.2.2. Accessories

1.1.3. Applications

1.1.3.1. Field applications

1.1.3.2. Laboratory applications

1.1.4. Safety

1.1.4.1. General safety

1.1.4.2. Specific safety

1.1.4.3. Precautions

1.1.4.4. Warnings

1.1.4.5. Symbols

1.1.4.6. Environmental protection

1.1.4.7. Maintenance

1.1.4.8. Storage

1.1.4.9. Transport

1.1.4.10. Disposal

1.1.4.11. Recycling

1.2. This manual is intended for the user of the equipment. It contains the technical specifications, the safety instructions, the maintenance instructions and the troubleshooting instructions.

1.3. The user must read this manual carefully before using the equipment. It is important to follow the safety instructions and the maintenance instructions to ensure the safe and correct use of the equipment.

1.4. The user must keep this manual in a safe place and consult it regularly. It is important to read the safety instructions and the maintenance instructions before using the equipment.

2. IDENTIFICATION

2.1. Identification of the equipment

2.1.1. Model

2.2. Identification of the user

2.2.1. Name

2.3. Identification of the location

2.3.1. Address

2.4. This manual is intended for the user of the equipment. It contains the technical specifications, the safety instructions, the maintenance instructions and the troubleshooting instructions.

ANNEXURE – II

*Establishment of Anti Ragging
Committee and Anti Ragging
Squad*

2023

2022

LIABILITIES

The following table shows the components of the Group's liabilities as at the reporting date. The Group's liabilities are primarily comprised of trade payables, other payables, provisions, and financial liabilities. The Group's liabilities are primarily denominated in the functional currency of the Group, which is the Hong Kong dollar. The Group's liabilities are primarily denominated in the functional currency of the Group, which is the Hong Kong dollar.

Liabilities

2023	2022	2021
Trade payables	1,234,567	987,654
Other payables	567,890	432,109
Provisions	123,456	87,654
Financial liabilities	345,678	210,987
Total	2,271,591	1,718,404

Equity

2023	2022	2021
Share capital	100,000	100,000
Reserves	1,500,000	1,200,000
Total	1,600,000	1,300,000

Management's Discussion and Analysis

2023	2022	2021
Revenue	1,500,000	1,200,000
Profit before tax	300,000	200,000
Profit after tax	200,000	150,000

CHILD LITERATION PROJECT

Project Name: _____		Project Number: _____	
Project Location: _____		Project Start Date: _____	
Project End Date: _____		Project Status: _____	
Project Manager: _____		Project Sponsor: _____	
Project Description: _____		Project Objectives: _____	
Project Budget: _____		Project Funding: _____	
Project Personnel: _____		Project Evaluation: _____	
Project Impact: _____		Project Recommendations: _____	

The Child Literation Project is a community-based initiative aimed at improving the literacy skills of children in underserved areas. The project focuses on providing access to quality educational materials and training for teachers and parents. The project is currently in the planning phase and will begin implementation in the next few months. The project is expected to have a significant impact on the lives of the children and their families.

The project is supported by the following organizations and individuals:

- _____
- _____
- _____

Project Contact Information:

Project Manager: _____

Project Sponsor: _____

Project Address: _____

Project Phone: _____

Project Email: _____



INTERNATIONAL BANKING

1000 Broadway, New York, N.Y. 10018

Phone: (212) 850-0100

STATEMENT

This statement covers the period from 12/31/88 to 12/31/89. It is prepared according to the International Accounting Standards. The information is based on the records of the Bank. The information is not audited. The information is not intended to be used for tax purposes. The information is not intended to be used for legal purposes. The information is not intended to be used for any other purpose. The information is not intended to be used for any other purpose.

Summary of Assets

Item	12/31/88	12/31/89
Assets	100,000,000	100,000,000
Liabilities	100,000,000	100,000,000
Equity	100,000,000	100,000,000
Reserves	100,000,000	100,000,000
Capital	100,000,000	100,000,000
Surplus	100,000,000	100,000,000
Retained Earnings	100,000,000	100,000,000
Dividends	100,000,000	100,000,000
Income	100,000,000	100,000,000
Expenses	100,000,000	100,000,000
Net Income	100,000,000	100,000,000
Other	100,000,000	100,000,000

Summary of Liabilities

Item	12/31/88	12/31/89
Liabilities	100,000,000	100,000,000
Equity	100,000,000	100,000,000

Item	12/31/88	12/31/89
Assets	100,000,000	100,000,000
Liabilities	100,000,000	100,000,000
Equity	100,000,000	100,000,000

FINANCIAL STATEMENTS

Item	2019	2018
Revenue	1000000	950000
Cost of Sales	(600000)	(580000)
Gross Profit	400000	370000
Operating Expenses	(250000)	(240000)
Operating Profit	150000	130000
Finance Costs	(20000)	(15000)
Profit Before Tax	130000	115000
Income Tax	(30000)	(25000)
Profit After Tax	100000	90000

The above figures are preliminary and subject to audit. The figures for 2019 are based on unaudited data and should not be used for any purpose other than for information.

The company has adopted the accounting policies set out in the notes to the financial statements. The financial statements have been prepared on a going concern basis. The directors have approved these financial statements and they are true and fair.

The financial statements for the year ended 31 December 2019 are set out on pages 1 to 10.

Approved and signed on behalf of the directors:


Name: [Name]
Director
[Signature of Director]
Name: [Name]
Director
[Signature of Director]
Name: [Name]
Director

ANNEXURE – III

*Establishment of Grievance
Redressal Committee in The
Institution and Appointment of
Ombudsman by The University*

PERMO EXTENDANTONAL BATANAN

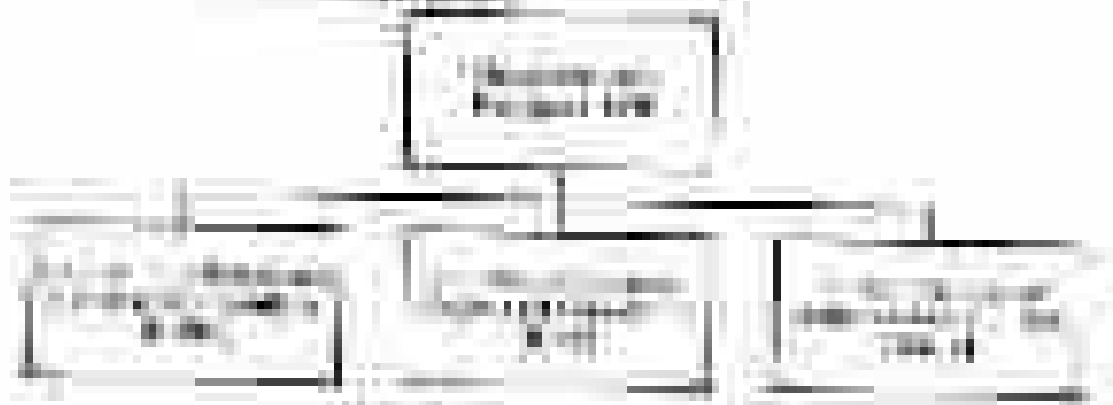
1952
Jurnal Geologi, Vol. 1, No. 1, 1-10
Penerbit: Departemen Geologi, Institut Teknologi Sepuluh Nopember

ABSTRAK

Penelitian geologi batuan di Permo extendantonal Batanan, Jember, Jawa Timur, menunjukkan adanya sekuen batuan yang khas, yaitu: batuan beku intrusif, batuan beku ekstrusif, batuan sedimen, dan batuan metamorf. Batuan beku intrusif yang dominan adalah dioritik, sedangkan batuan beku ekstrusif yang dominan adalah andesitik. Batuan sedimen yang dominan adalah batuan sedimen klastik. Batuan metamorf yang dominan adalah gneiss dan migmatit. Penelitian ini bertujuan untuk mengetahui sejarah geologi dan struktur batuan di Permo extendantonal Batanan.

Di kawasan Permo extendantonal Batanan, Jember, Jawa Timur, terdapat sekuen batuan yang khas, yaitu: batuan beku intrusif, batuan beku ekstrusif, batuan sedimen, dan batuan metamorf. Batuan beku intrusif yang dominan adalah dioritik, sedangkan batuan beku ekstrusif yang dominan adalah andesitik. Batuan sedimen yang dominan adalah batuan sedimen klastik. Batuan metamorf yang dominan adalah gneiss dan migmatit. Penelitian ini bertujuan untuk mengetahui sejarah geologi dan struktur batuan di Permo extendantonal Batanan.

1. Introduction



2. Objectives

The main objective of this project is to analyze the current market situation and identify potential growth opportunities. This involves a comprehensive review of the company's performance over the last five years, including financial statements and operational data. The project also aims to assess the competitive landscape and identify key trends in the industry. The findings will be used to develop strategic recommendations for the management team.



The project is expected to be completed by the end of the fiscal year. The results will be presented to the board of directors for their approval. The project team consists of several key members, including the project manager and various department heads. The project budget is estimated to be within the allocated resources.

The following table shows the results of the regression analysis. The dependent variable is the log of the number of employees. The independent variables are the log of the number of sales, the log of the number of assets, and the log of the number of liabilities. The results show that the log of the number of sales is positively correlated with the log of the number of employees, while the log of the number of assets and the log of the number of liabilities are negatively correlated with the log of the number of employees.

Variable	Parameter Estimate	Standard Error	t-Statistic	Probability > t	95% Confidence Interval
Constant	1.123	0.045	24.956	0.000	1.033 - 1.213
Log Sales	0.785	0.012	65.417	0.000	0.761 - 0.809
Log Assets	-0.123	0.008	-15.375	0.000	-0.139 - -0.107
Log Liabilities	-0.089	0.007	-12.714	0.000	-0.103 - -0.075
Adjusted R-Squared	0.987				

The results of the regression analysis show that the log of the number of sales is positively correlated with the log of the number of employees, while the log of the number of assets and the log of the number of liabilities are negatively correlated with the log of the number of employees. The adjusted R-squared value is 0.987, indicating a very strong fit of the model.

1. The first step in the process of developing a business plan is to conduct a market analysis. This involves identifying the target market, understanding the needs and preferences of the customers, and assessing the competitive landscape. A thorough market analysis provides valuable insights into the opportunities and challenges of the industry, which are essential for formulating a realistic and profitable business strategy.

- 2. Once the market analysis is complete, the next step is to define the business's mission, vision, and core values. These statements serve as the foundation for the business plan, guiding the company's strategic decisions and operational activities. A clear mission and vision statement also helps to attract investors and other stakeholders who share the company's long-term goals.

3. The final step in the process is to develop a detailed financial plan. This includes projecting the company's revenue, expenses, and cash flow over a period of time. A well-structured financial plan demonstrates the company's ability to generate a return on investment and provides a clear picture of the financial risks and opportunities associated with the business.

Business Plan
The first step in the process of developing a business plan is to conduct a market analysis. This involves identifying the target market, understanding the needs and preferences of the customers, and assessing the competitive landscape. A thorough market analysis provides valuable insights into the opportunities and challenges of the industry, which are essential for formulating a realistic and profitable business strategy.

ANNEXURE - IV

*Establishment of Internal
Complaint Committee (ICC)*

TELLING AN INTERNATIONAL STORY

Journal of Management Education

Volume 37 Number 10 October 2013

CONTENTS

This journal is a peer-reviewed journal that publishes research, theory, and practice in the field of international management. The journal is published by Sage Publications, Inc. For more information, please visit our website at <http://jme.sagepub.com>.

Editorial

Editorial Board	Editorial Board
Editorial Board	Editorial Board

Editorial Board

Editorial Board	Editorial Board
Editorial Board	Editorial Board

Editorial Board

Editorial Board	Editorial Board
Editorial Board	Editorial Board
Editorial Board	Editorial Board
Editorial Board	Editorial Board

Editorial Board

The editorial board consists of leading experts in the field of international management. The board members are listed below.



Editorial Board

Editorial Board



- 1. Editor
- 2. Editor
- 3. Editor
- 4. Editor
- 5. Editor
- 6. Editor
- 7. Editor
- 8. Editor
- 9. Editor
- 10. Editor

ANNEXURE - V

*Establishment of
Committee for SC/ ST*

TECHNIQUES TO FIND FACT ANALYSIS

1. **ANALYZING DATA**

2. **ANALYZING DATA**

CHALLENGE

Using the information provided, the following table shows the results of a survey of 100 people who were asked to rate their satisfaction with the service provided by the company. The results are shown in the table below.

1. **ANALYZING DATA**

2. **ANALYZING DATA**

3. **ANALYZING DATA**

4. **ANALYZING DATA**

5. **ANALYZING DATA**

6. **ANALYZING DATA**

7. **ANALYZING DATA**

8. **ANALYZING DATA**

9. **ANALYZING DATA**

10. **ANALYZING DATA**

11. **ANALYZING DATA**

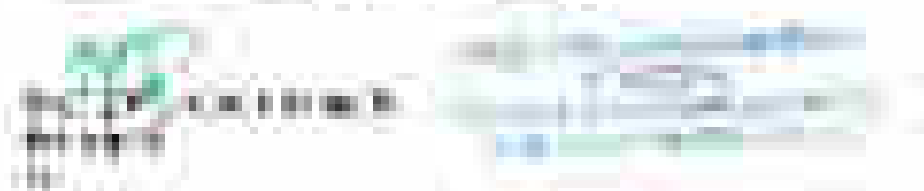
12. **ANALYZING DATA**

13. **ANALYZING DATA**

14. **ANALYZING DATA**

15. **ANALYZING DATA**

16. **ANALYZING DATA**



17. **ANALYZING DATA**

ANNEXURE – VI

Internal Quality Assurance Cell

ANNEXURE – VII

*LOA AND SUBSEQUENT EOA
TILL THE CURRENT
ACADEMIC YEAR*



APPROVAL PROCESS 2021-22

Extension of Approval (EoA)

F.No. Eastern/1-9321486286/2021/EOA

Date: 25-Jun-2021

To,

The Secretary (Technical education)
Govt. of West Bengal,
Bikash Bhawan, Room No. 602,
6th Floor Salt Lake, Kolkata-700091

Sub: Extension of Approval for the Academic Year 2021-22

Ref: Application of the Institution for Extension of Approval for the Academic Year 2021-22

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2021 Notified on 4th February, 2020 and amended on 24th February 2021 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to:

Permanent Id	1-750841201	Application Id	1-9321486286
Name of the Institution /University	TECHNO INTERNATIONAL BATANAGAR	Name of the Society/Trust	BATANAGAR EDUCATION AND RESEARCH TRUST
Institution /University Address	PUTKHALI, WARD NO.- 30, HOLDING NO.- B7-360/NEW, MAHESHTALA, SOUTH 24 PARGANAS, West Bengal, 700141	Society/Trust Address	FLAT(G-A),1/1/1, JODHPUR PARK,KOLKATA,KOLKATA, West Bengal,700068
Institution /University Type	Private-Self Financing	Region	Eastern

To conduct following Programs / Courses with the Intake indicated below for the Academic Year 2021-22

Program	Level	Course	Affiliating Body (University /Body)	Intake Approved for 2020-21	Intake Approved for 2021-22	NRI Approval Status	FN / Gulf quota/ OCI/ Approval Status
ENGINEERING AND TECHNOLOGY	DIPLOMA	CIVIL ENGINEERING	West Bengal State Council of Technical Education, Kolkata	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	DIPLOMA	MECHANICAL ENGINEERING	West Bengal State Council of Technical Education, Kolkata	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	30	30	NA	NA

ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRICAL ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	30	30	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	CIVIL ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	60	60	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	120	120	NA	NA
ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	Maulana Abul Kalam Azad University of Technology, West Bengal	60	60	NA	NA

Approved Vocational Courses for 2021-22:

Sr.No.	Program	Level	Course (Specialization)	Intake Approved 2021-22
1.	ENGINEERING AND TECHNOLOGY	DIPLOMA	Refrigeration And Air Conditioning	30
2.	MANAGEMENT/IT/ITES	UNDER GRADUATE	Software Development	30

General Conditions for Vocational Courses:

1. It is mandatory to comply with all the provisions as given in APH 2021-22 (Chapter VI) and also in the 'Guidelines for Institutions Applying for Running Vocational Courses' uploaded at www.aicte-india.org/education/vocational-education
2. **The Institution will ensure that the minimum batch size of 10 students shall be maintained for each course.**
3. The courses must be conducted as per the guidelines issued under SAMVAY (Skill Assessment Matrix for vertical advancement of Youth). Training under these courses must be aligned with the outcome at each level as prescribed under National Skill Qualification Framework (NSQF).

It is mandatory to comply with all the essential requirements as given in APH 2021-22 (Appendix 6)

Important Instructions

1. The State Government/ UT/ Directorate of Technical Education/ Directorate of Medical Education shall ensure that 10% of reservation for Economically Weaker Section (EWS) as per the reservation policy for admission, operational from the Academic year 2019-20 is implemented without affecting the reservation percentages of SC/ ST/ OBC/ General. However, this would not be applicable in the case of Minority Institutions referred to the Clause (1) of Article 30 of Constitution of India. Such Institution shall be permitted to increase in annual permitted strength over a maximum period of two years.
2. The Institution offering courses earlier in the Regular Shift, First Shift, Second Shift/Part Time now amalgamated as total intake shall have to fulfil all facilities such as Infrastructure, Faculty and other requirements as per the norms specified in the Approval Process Handbook 2021-22 for the Total Approved Intake. Further, the Institutions Deemed to be Universities/ Institutions having Accreditation/ Autonomy status shall have to maintain the Faculty: Student ratio as specified in the Approval Process Handbook. All such Institutions/ Universities shall have to create the necessary Faculty, Infrastructure and other facilities WITHIN 2 YEARS to fulfil the norms based on the Affidavit submitted to AICTE within the Academic Year 2021-22
3. Strict compliance of Anti-Ragging Regulation, Establishment of Committee for SC/ ST, Establishment of Internal Complaint Committee (ICC), Establishment of Online Grievance Redressal Mechanism, Barrier Free Built Environment for disabled and elderly persons, Fire and Safety Certificate should be maintained as per the provisions made in Approval Process Handbook and AICTE Regulation notified from time to time.
4. In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Prof.Rajive Kumar
Member Secretary, AICTE

Copy ** to:

1. **The Director of Technical Education**, West Bengal**
2. **The Registrar**,
West Bengal State Council Of Technical Education, Kolkata**
3. **The Principal / Director,
TECHNO INTERNATIONAL BATANAGAR
Putkhali, Ward No.- 30, Holding No.- B7-360/New,
Maheshtala, South 24 Parganas,
West Bengal,700141**
4. **The Secretary / Chairman,
FLAT(G-A),1/1/1, JODHPUR PARK
KOLKATA,KOLKATA
West Bengal,700068**
5. **The Regional Officer,
All India Council for Technical Education
College of Leather Technology Campus
Block LB, Sector III, Salt Lake City
Kolkata - 700 098, West Bengal**
6. **Guard File(AICTE)**

Note: Validity of the Course details may be verified at <http://www.aicte-india.org/> .

** Individual Approval letter copy will not be communicated through Post/Email. However, consolidated list of Approved Institutions(bulk) will be shared through official Email Address to the concerned Authorities mentioned above.

This is a computer generated Statement. No signature Required



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

(Formerly West Bengal University of Technology)

Office of the Inspector of Colleges

Main Campus: NH 12, Haringhata, Post Office – Simhat, Police Station – Haringhata, Pin – 741249

City Campus: BF-142, Salt Lake City, Kolkata – 700 064

Tel. No. : (033)2321-7588, (033) 2334-1014/1021/1025/1028/1031; Fax : (033) 2321-8776

No. **332 / B.TECH** / Affiliation / **2021-22**

Date : 02/08/2021

The **RENEWAL** affiliation is hereby accorded for the academic year **2021-22** under Section 5(4) of the West Bengal University of Technology Act, 2000 (West Bengal Act XV of 2000) to

TECHNO INTERNATIONAL BATANAGAR

PUTKHALI, WARD NO.-30, HOLDING NO.-B7-360/NEW,
24 PARGANAS (S), WEST BENGAL, 700141.

[**College Code : 332**]

for conducting the following course(s) with the intake indicated below :

PROGRAM	LEVEL OF COURSE	NAME OF COURSE	INTAKE FOR 2021-22
ENGINEERING & TECHNOLOGY	UNDER GRADUATE	CIVIL ENGINEERING	60
ENGINEERING & TECHNOLOGY	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	120
ENGINEERING & TECHNOLOGY	UNDER GRADUATE	ELECTRICAL ENGINEERING	30
ENGINEERING & TECHNOLOGY	UNDER GRADUATE	ELECTRONICS AND COMMUNICATIONS ENGINEERING	60
ENGINEERING & TECHNOLOGY	UNDER GRADUATE	MECHANICAL ENGINEERING	30

The above affiliation is issued subject to fulfillment of the following terms and conditions :

1. That this Affiliation/Renewal affiliation is being granted based on the information (containing names and addresses of Institutions & the intake capacities of the courses) laid down in the AICTE approval letter (computer generated unsigned received by the college and submitted to the University) vide F.No. Eastern/1-9321486286/2021/EOA dated 25.06.2021 read with the email dated 20.07.2021 of the Director of Technical Education, W.B containing list of AICTE approved Institutions 2021-22 for the State of West Bengal and also in accordance with the decision dated 30.06.2021 (email) of the Competent Authority, MAKAUT,WB in the File No. IC-249/2019.
2. That the sponsoring Society / Trust/Company established under Section 8 of Companies Act 2013 shall provide adequate funds for development of land and for providing related infrastructural, instructional and other facilities as per norms and standards laid down by the MAKAUT,WB and AICTE from time to time and for meeting recurring expenditure.
3. That the admission and conduct of courses shall be made in accordance with the regulations notified by the State Govt., MAKAUT,WB and AICTE from time to time.
4. That the curriculum of the course, the procedure for evaluation/assessment of students and infrastructure in the classes, laboratories & library shall be in accordance with the norms prescribed by the MAKAUT,WB and AICTE.
5. That the Institution shall not allow closure of the Institution or discontinuation of the course(s) or start any new course(s) of after intake capacity of seats without the prior approval of the MAKAUT,WB and AICTE.



6. That no excess admission shall be made by the Institution over and above the approval intake under any circumstances. In case any excess admission is reported to / founded by the MAKAUT,WB, appropriate penal action including withdrawal of affiliation shall be initiated against the Institution.
7. That the Institution shall not conduct any course(s) in the field of technical education in the same premises / campus and / or in the name of the Institution without prior permission / approval of MAKAUT,WB and AICTE. In case any violation is reported to / founded by the MAKAUT,WB, appropriate penal action including withdrawal of affiliation shall be initiated against the Institution.
8. That the Institution shall not conduct any non-technical course(s) in the same premises / campus under any circumstances. In case any violation is found by the MAKAUT,WB, appropriate penal action including withdrawal of affiliation shall be initiated against the Institution.
9. That the Institution shall operate only from the approved location, and that the Institution shall not open any off campus study centres / extension centres directly or in collaboration with any other Institution / University / Organisation for the purpose of imparting technical education without obtaining prior approval from the MAKAUT,WB and AICTE.
10. That the accounts of the Institution shall be audited annually by a certified Chartered Accountant and shall be open for inspection by the MAKAUT,WB.
11. That the Institution shall furnish requisite returns & reports as desired by MAKAUT,WB in order to ensure proper maintenance of administrative & academic standards
12. That the Director / Principal and the teaching staff, Technical Assistants and other staff shall be selected according to procedures, qualifications and experience prescribed by the MAKAUT,WB / AICTE / UGC from time to time and pay scales and other allowances & benefits shall be as per the norms prescribed by the Govt. of W.B. / UGC / AICTE from time to time.
13. That if the Institution fails to disclose the information or suppress and/or misrepresent the information, appropriate action could be initiated including withdrawal of MAKAUT,WB affiliation.
14. MAKAUT,WB may carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards prescribed by MAKAUT,WB/AICTE. Deficiencies / Shortcomings if any (in respect of built-up area requirement, instructional area requirement, laboratories requirement, computer requirement, library requirement, full-time faculty members requirement and other desirable requirements etc. in accordance with the AICTE / MAKAUT,WB norms) as were/will be pointed out shall have to be removed within a reasonable time to be prescribed by MAKAUT,WB failing which penal action including withdrawal of affiliation shall be initiated against the Institution.
15. That the MAKAUT,WB may also conduct inspections with or without notifying the dates to verify specific complaints of mis-representation, violation of norms and standards, mal-practices etc. Adverse findings will lead appropriate penal action including withdrawal of affiliation.
16. The Institute shall take appropriate measures for prevention of ragging in any form, in the light of directions of Supreme Court of India in Writ Petition No. © 656/1998 and norms as stipulated by the UGC & AICTE.
17. The Institution shall remain bound by the norms, rules and regulations formulated by the University in respect of the conditions of affiliation, course & fee structure, syllabi content and academic regulations governing the conduct of the course(s) and shall pay fees / charges to be fixed by the University in respect of inspection, affiliation, registration of students, examination fees, etc. including any subsequent changes therein introduced by the University from time to time.



In the event of closure of the institution, the Organizing Society / Trust will not close Institution till the last batch of students admitted in the academic programmes complete the total duration of their respective academic programmes (i.e. 2 years, 3 years, 4 years etc. as the case may be).

18. The University will have no financial liability whatsoever for conducting the course(s).

Any infringement / contravention / non-compliance of the conditions mentioned above lead to withdrawal of affiliation. All liabilities arising out of such withdrawal would solely rest upon to that of organizing Trust / Society. After completion of the academic year (2021– 2022), the Institute will seek renewal of affiliation course-wise for the year (2022 – 2023).

Checked & Verified

(**Sujit Kumar Saha**)

Inspector of Colleges

Copy forwarded for information and necessary action to :

1. The Principal / Director,
TECHNO INTERNATIONAL BATANAGAR
PUTKHALI, WARD NO.-30, HOLDING NO.-B7-360/NEW, 24 PARGANAS (S), WEST BENGAL, 700141.
2. The Chairman, West Bengal Joint Entrance Examinations Board, AQ 13/1, Sector V, Salt Lake, Kol – 91.
3. The Principal Secretary, HED, Govt. of W.B., Bikash Bhavan, Salt Lake, Kolkata – 700 091.
4. The Regional Officer, Eastern Regional Office, AICTE, Block LB, Sector III, Salt Lake, Kolkata - 98.
5. The Vice Chancellor's Unit.
6. The Registrar's Unit
7. The Controller of Examinations' Unit.
8. The Finance Officer's Unit.
9. The Inspector of Colleges' Unit.
10. GENERAL Guard File.
11. AFFILIATION GUARD FILE.
12. College File.

Inspector of Colleges



ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಅಧಿಕಾರ ವಹಿವಾಟು ನಿಯಂತ್ರಣ ಇಲಾಖೆ
KARNATAKA GOVT. DEPARTMENT OF PUBLIC WORKS

ಇಲಾಖೆಯ ವಿವರಗಳು: ಇಲಾಖೆಯ ಹೆಸರು: ಇಲಾಖೆಯ ವಿಳಾಸ: ಇಲಾಖೆಯ ಸಂಖ್ಯೆ: ಇಲಾಖೆಯ ದಿನಾಂಕ:

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ANNEXURE - IX

*BEST PRACTICES ADOPTED,
IF ANY*

INSTITUTIONAL BEST PRACTICES

1. TITLE OF THE PRACTICE: AWARENESS PROGRAMMES FOR STUDENTS

2. OBJECTIVES OF THE PRACTICE

The main objective of the practice is intended to train our students on Outcome Based Education (OBE). The intention is not only acquisition of knowledge by the Graduates, but its successful applications for solving problems individually or in a team along with accomplishment of other behavioral attributes like communication skill, ethical attitudes, leadership qualities, life - long learning capacity and concern for society and environment.

The best practices targets at supplementing the educational programme so as to achieve the Programme Outcomes (POs) using multivariate techniques going beyond the boundaries of the curriculum and syllabus.

3. THE CONTEXT

The key challenge lies on the fact to motivate the young minds with diverse thoughts, backgrounds to prepare them in a way to make them fit for the professional world and the role they are expected to play there. For these young minds the transition from a supervised teaching platform to learning outcome based platform is a quantum leap. This may amount to a cultural shock to many students.

This practice is designed to train the young mind

- (a) What Graduate attributes they are expected to acquire after graduation and why
- (b) How to acquire them i.e. techniques and tools

4. THE PRACTICE

The practice is divided in three sections:

- (a) Induction Programme for newcomers
- (b) Orientation Programmes for seniors in a graded way commensurate with their backgrounds, and
- (c) Visual programme technique through constant sighting

(a) Induction Programme

Introduced recently this programme is designed for new entrants to the Programmes. 3 week's course, it is framed to acquaint the fresh men with the features of OBE, their roles as learners, and the tools available with them. Different topics covered by experts from internal and external resources are as follows:

- **Life Skill and Strategy:** It covers extensive grooming sessions for corporate exposure and gaining professional brilliance in job fields.
- **Motivational Workshop:** Motivation and how to motivate self are discussed.
- **Understanding English and Technical Communication:** Activities encompass reading, writing and possibly, debating, enacting a play etc.
- **Mathematics and Engineers:** Role of Mathematics in Engineering and more specifically in the disciplines of the students is discussed.
- **Acquainting with Core Discipline:** They are told about what getting into a branch or department means, what role it plays in society. They are also shown the laboratories, workshops & other facilities in their department.
- **Awareness of Outcome Based Education and its Importance:** Expectations of the Society and the Professional World from him on completion of the programme

(b) Orientation Programmes:

The students from second year onwards are oriented to their need based requirements.

Second year: Core discipline – scope, Industries and role after graduation, Professional attainment, Interdisciplinary work, Profession and Research.

Third year: Specialization, Electives, Goal after Graduation, Industrial scenario, How to prepare for a job, Preparation for research and higher studies. Career development Programmes.

Final year: Preparation for professional challenges, higher studies - scope and preparation.

(c) Visual Programmes:

Visual programme is based on techniques that target the students to learn through constant sighting.

The society we belong has some prerequisite Do's and Don'ts. Our minds rebel when we are told about it in command formats. Keeping in view, display boards or posters are designed and displayed all around the campus so that visual impact is maximized and leave an everlasting impression in the young minds.

5. EVIDENCE OF SUCCESS

Induction Programme being a new one, its success is yet to be measured. However, the psychometric test by an external expert has provided the institute to mental states of the students, which is likely to help the mentor faculties. The students have been told about the expectations of the employers from the graduates so that they can prepare themselves accordingly. This aspect is also to be evaluated later for success of the programme.

Orientation Programmes have been running for last few years. The impact on a few has been found to be noteworthy. They have shown maturity right from choice of electives, to build their career. Some have stuck to core engineering, some to interdisciplinary areas, some to higher studies and some to teaching.

The visual programme has impacted in reducing the tendency to violate the rules have reduced considerably. Eradication of social evils in the campus has been possible.

6.PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

Design of the Induction Programme and choosing the expert was the main problem in Induction Programme design and implementation. The speakers discussed with the faculty committee about the course content of their speeches. Oral feedbacks were taken from the students for feedback to the speakers.

Another problem is loss of one week of academic programme for the freshers.

Resources required are only remuneration to the external speakers, their conveyance and hospitality.

Orientation Programmes at senior levels are traditionally held and since they are conducted internally, no additional resources required. These Programmes are more of informal in nature.

The Poster campaign has been effective as mentioned earlier.

INSTITUTIONAL BEST PRACTICES

1. TITLE OF THE PRACTICE: STRENGTHENING PEDAGOGY

2. OBJECTIVES OF THE PRACTICE

The major components of our Graduate Programmes are curricula and syllabi which may not be adequate to prepare our graduates technically and professionally proficient as per requirements of the Programme Outcomes. The objective of this practice is to adopt various means to supplement the deficiencies existing in our academic programmes keeping in mind achievement of the Course Outcomes (COs) vis-a-vis Programme Outcomes (POs). The practice addresses those lacunae which can be mended through instructive means resulting in a strong pedagogy – the art, science and practice of teaching.

3. THE CONTEXT

The main challenge in this issue originates from the lack of flexibility in the curriculum and syllabus. Non autonomous status of this institute of higher learning makes us follow a rigidly prescribed programme drafted by the affiliating University which had to consider the needs of a large number of affiliated colleges. In the process of preparing the graduates it is often observed by us that the syllabus or curriculum misses certain topics or fails to impart technical or professional knowledge to the desired level. For example, the drafted curriculum does not give the learners opportunity to know the real life power apparatus and components in Electrical Engineering, or almost all the graduates are inadequately exposed to environmental science and technology through the University prescribed syllabus. These challenging issues are addressed in design and implementation of this practice through instructional delivery.

4. THE PRACTICE

The practice consists of a bunch of sub practices all related to the same issue i.e. strengthening pedagogy to strengthen the academic programme. It has three stages.

Stage I: Identification and classification of gaps w.r.t COs / POs

Sources: Feedbacks from Students/Faculty/Industry/Alumni/Others (Advisors/Peer Groups) Each of the identified gaps and its mitigation constitutes a sub practice under this best practice.

Stage II: Determine the scopes of the gaps and design them in the appropriate pedagogic forms

Stage III: Implement using appropriate platforms

Constraints / limitations

Setting up Component laboratories under different departments, Environmental laboratory (mostly for student extramural training) and Incubation Centre for carrying out exposure programmes related to Societal issues, required funds, space and dedicated faculty competent to plan and execute it. Industrial response was not encouraging.

Successful implementation of the practice is limited by our competence in visualization of the approach to the problem and innovative thinking.

5. EVIDENCE OF SUCCESS

Direct or Quantitative measurement of evidence of success in the matters under discussion may not be possible. Hence indirect methods are adopted and cited below.

- Appreciation from Employers of our graduates.
- Better performance by our graduates during professional interviews
- Growth of interest in Environmental and Societal issues

6. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

- Experience in planning and competence in execution
- Dedicated and cooperation from all corners.
- Resources like space, funds and dedicated faculty

INSTITUTIONAL BEST PRACTICES

1. TITLE OF THE PRACTICE: STUDENTS FEEDBACK

2. OBJECTIVES OF THE PRACTICE

To improve the quality of teaching learning process an online feedback system is functional and practiced. The actions taken are updated to keep the learners informed about the actions taken with likely results and the expected time line.

3. THE CONTEXT

The institute has the mechanism to collect feedbacks from its stake holders i.e. students, alumni, industry, guardians, faculty, peer group and management. Different committees exist to collect the feedbacks from them and take appropriate actions.

Two most important stakeholders- students and guardians are dynamic in nature with respect to the institute or programme. Immediate steps are taken on those which are dependent on provision of physical resources or controllable pedagogic methods.

Others like syllabus modifications or attainment of certain programme outcomes may require time. Hence actions on a substantial part of their ongoing feedbacks may not be implemented immediately or even communicated to students/guardians during their stay in the campus. The challenge lies in finding means to establish faith and trust of all stakeholders on our academic and feedback systems.

4. THE PRACTICE

The practice laid down by IQAC (Internal Quality Assurance Cell) aims at building confidence amongst the stakeholders in the quality of our academic system and the sincerity of the institute in rendering best services. Collection of feedbacks from different stakeholders, their analysis and recommendations of actions on them, is an established practice. Its main objective is to establish credibility of the feedback system, which is an important part of the academic practice.

The stakeholders of an academic programme in the institute can be classified in terms of duration and nature of involvement to the programme(s) as shown in the table.

Actions taken on feedbacks related to attitudinal or behavioral issues, indiscipline, etc. are communicated within a reasonably short time.

Sl No	Stakeholder	Duration of Direct involvement	Weightage on Feedback	Nature of feedback on Academic practice	Observations
1.	Students and guardians	Short period (4 years)	Very high	Long term involving syllabus and curriculum. Immediate involving pedagogic tools and practice followed	Major target group for this practice. An important link with the society at large
2	Alumni and peer group	Quasi permanent	Medium to high depending on involvement	Long term related to Structure and Philosophy of academic practice followed	An important channel collection feedback from professional world
3.	Industry	Permanent	Very high	On all aspects involving long term and short term aspects of the system	Major target group who depends on direct experience
4.	Faculty	Permanent	Very high	On all aspects involving long term and short term aspects of the system	Designer
5.	Management	Permanent	Very high	On policy matters and on all aspects in general	Feedback gets top priority. The ultimate decision maker and provider of resources

Limitations and constraints

Slow Implementation of all academic reforms (syllabus and curricular changes, change in evaluation system) is primarily due to absence of academic autonomy of the institute. All feedbacks on such issues appear to remain unattended to the reviewers.

5. EVIDENCE OF SUCCESS

On the basis of feedbacks received from students, alumni, faculty and industry the departments/institute examine(s) the curriculum, syllabus and evaluation system for various academic reforms. A normal academic programme has a 'shelf life' of 5 to 7 years minimum. Added to this is the inertia of the University (which has to cater about 70 + technical colleges), all such reforms become a long term process. Hence no action for reforms can be implemented or communicated to the students during their stay. In such cases the institute, on receipt of the feedbacks, adopts the following measures:

- A. Writes to the BOS of the University for necessary action
- B. Directs all Programme Coordinators/ HODs to introduce

- a. extramural topics in as many courses as applicable,
- b. extramural experiments in laboratories,
- c. extramural laboratories,
- d. innovative evaluation techniques,
- e. lectures by professionals

Enhancement of professional competence of our graduates bears the evidence of mitigation of lacunae observed by stakeholders viz, Component laboratories helped the graduates professionally without bringing formal reforms. These efforts have been appreciated by industry and the peer groups showing soundness of our academic practices as well as quality of services rendered.

6. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED

The problems encountered are more of technical origin than financial or human. Academic autonomy of the institute would have mitigated many a problem.

autonomy. Ideally any feedback given to the service provider has to be acknowledged and actions taken on the issues addressed back. This is done when the feedback comes in the form of grievances. However, in academic institutions issues are related to mainly academics. There are many an issue on which actions for reforms not possible immediately.

The above practice is specifically suitable for affiliated academic institutions to appraise its stakeholders to build bondage of trust between the two. It can be also adopted, on specific issues, by the autonomous academic institutions.