

Name of the Section: Mechanical Engineering. Section,  
University Polytechnic, A.M.U. Aligarh.

Date of Meeting of B.O.S.: 31/08/2017

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### MINUTES

of

The meeting of the Board of Studies of Mechanical Engineering Section, University Polytechnic, was held on 31/08/2017 at 02.30 P.M. in the Conference room of the University Polytechnic, AMU, Aligarh.

The following were present:-

Mr. Mohd Khalid Zamir Qureshi (in the Chair)

Mr. Sabir Ali Khan

Dr. Shujaat Yar Khan

Mr. Shahnawaz Mohsin

Dr. M. Asif Hasan

Mr. Shamshad Ali

Dr. Syed Imran Shafiq

Mr. Mohd. Arif

Dr. Shailendra Kumar

Mr. Anis Ahamed Ansari

Mr. Mohd. Yunus Khan

Dr. Farrukh Hafeez

The board welcome the new principal and expressed happiness that after a long time a teacher of the University Polytechnic has been entrusted for this position on the basis of seniority which is a routine matter in all other departments of AMU

The following decisions were taken:

**Item No. 01:** The Board of Studies confirmed the minutes of last meeting of the Board of Studies held on 10.04.2017

**Item No. 02:** The Board recommended the names of examiners and moderators for the session 2017-18 (Confidential, not to be circulated) Annexure-I

**Item No. 03:** The Board recommended the names of panel of experts for evaluation of research papers for CAA Promotion. Annexure-II

**Item No. 04:** The Board reviewed the intake and dropouts in various courses being run in Mechanical Engineering Section. The observations are listed below:

- (a) It was observed that there is almost 50% drop out rate in the following branches:
  - (I) Diploma in Mech. Engg. (Production Engg.)
  - (II) Diploma in Mech. Engg.(Refrigeration & Air Conditioning) RAC
  - (III) Diploma in Plastic Technology

S. No	Name of Course with Intake	Course wise intake	No of Students who reached up to Final year						
			2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
1	Dip in Mech Engg (Production Engg)	25	15	14	16	14	18	19	18
2	Dip in Mech Engg (Ref. & AC)	20	16	10	12	06	07	14	15
3	Diploma in Plastic Tech.	20	13	10	03	11	8	8	11
<b>Total</b>		<b>65</b>	<b>44</b>	<b>34</b>	<b>31</b>	<b>31</b>	<b>33</b>	<b>41</b>	<b>44</b>

- (b) Most of the students come back to ask for certificates that these Diplomas are equivalent to Diploma in Mech. Engg.
- (c) Job opportunities in these branches are very few in comparison to core branch i.e Mechanical Engg.
- (d) There are lesser opportunities in higher education in these branches.
- (e) For Diploma in Mech. Engg. (RAC) no separate teaching faculty is provided.
- (f) For Diploma in Plastic Technology only one post of teacher was sanctioned by UGC.

After taking feedback from tabulators and training placement officer, the Board discussed the high rate of dropouts, lesser employment opportunities and non availability of adequate teaching faculties in the above mentioned three branches.

**The Board recommend that the present nomenclature be restructured and the following nomenclature be adopted in place of present.**

S. No	Present Nomenclature (2014-15)	Existing Intake	Recommended Nomenclature (2018-19 onwards)	Intake
1	Diploma in Mechanical Engg. (Production Engg.)	25	<b>Diploma in Mechanical Engineering</b>	<b>65</b>
2	Diploma in Mechanical Engg. (Refrigeration & Air Conditioning)	20		
3	Diploma in Plastic Technology	20		

**Note: Teaching of Plastic Technology courses is adjusted by offering three elective courses of Plastic Technology Theory and two Lab courses of Plastic Technology. Study and Evaluation scheme given in Annexure-III**

**Elective-I**

S. No	Course No	Course Title
01	BME-504	Refrigeration & Air Conditioning
02	BPE-504)	Automation & CAM
03	BPT-504	Plastic Technology-I

**Elective-II**

S. No	Course No	Course Title
01	BME-603	Automobile Engg
02	BPE-603	Manufacturing Technology
03	BPT-603	Plastic Technology-II

**Elective-III**

S. No	Course No	Course Title
01	BME-605	Non Conventional Energy Sources
02	BPE-605	Tool Design
03	BPT-605	Plastic Product & Mould Design

**Elective Lab**

S. No	Course No	Course Title
01	BME-692	Automobile Engg Lab
02	BPE-692	Tool Engg Lab
03	BPT-692	Polymer Testing & Processing Lab

Incharge  
Mech. Engg Section  
University Polytechnic  
Polytechnic A.M.U., Aligarh

Principal  
University  
A.M.U., Aligarh