

## MINUTES OF THE BOS (Business Analytics)

HELD ON 10<sup>th</sup> JULY 2019

### Members present

Sr.	Description	Name	Designation / Organization
01	Chairperson	Dr. Punam Bhoyar	LF BA IIMP
02	Members	Dr. Pallavi Sajanapwar	Dy. Director IIMP
03	Subject Experts from outside Parent University	Dr. Dhanya Pramod	Director, SCIT Pune
		Mr. Atul Kahate	Author and Faculty of Computer Science
04	Alumnus to be nominated by Director	Mr. Parag Kosurkar	Sapalogy Pvt. Ltd.
05	Member – Secretary*	Dr. Abhijit Chandratreya	Asst. Director, IIMP

### The following members sought leave of absence

S	Name	Designation	Category
1.	Mr. Amit Noubade	IBM Analytics	Member
2.	Dr. Jay Bharateesh Simha	Director/Chief tech. officer, Analytics- Abiba Systems Bangalore	Pro VC Nominee
3.	Ms. Neha Ramteke	Faculty IIMP	Member

## **AGENDA**

**Date: 10.07.2019**

**Time: 10.30 am to 12.30 noon**

**Location:**

**Indira Institute of Management, Pune**

- 1. Welcome Note by Chairperson BOS – Dr. Punam Bhoyar**
- 2. Brief about Indira Institute of Management, Pune and its Autonomous Status by Dr. Pallavi Sajanapwar, Deputy Director, IIMP**
- 3. Introduction of the BOS members by Dr. Punam Bhoyar**
- 4. Discussion on the structure and subjects proposed for the first year.**
- 5. Discussion on the detailed syllabi**
- 6. Any other pertinent issue (confidential or otherwise)**
- 7. Comments and Announcements (if any)**
- 8. Adjournment (followed by lunch)**

**Next meeting date: To be decided before adjournment**

### **Item No. 1 (10.07.2019) : Welcome Note**

Dr. Punam Bhoyar welcomed all members of the BOS in Business Analytics constituted as per the guidelines of UGC for autonomous Institutes and approved by SPPU.

### **Item No. 2 (12.07.2019) Brief on IIMP and autonomous status**

Dr. Pallavi Sajanapwar, Deputy Director IIMP then briefed the members about IGI and IIMP. She explained to the members as to why IIMP had decided to apply for autonomous status from UGC. She informed the members that it is academic autonomy. She explained that by being autonomous, IIMP will be able to credit the students for all inputs which till now was not being reflected on their mark sheets.

### **Item No. 3 (10.07.2019)**

Dr. Punam Bhoyar then introduced the members of the BOS in Business Analytics and thanked them for sparing their valuable time for attending the meeting and requested everyone to contribute wholeheartedly

### **Item No. 4 (10.07.2019): Discussion on the structure and subjects proposed for the first year.**

Dr. Punam Bhoyar then informed the members that there will be a discussion on the structure for the MBA course and subjects proposed for the first year for Business Analytics Specialization and requested the members to give their valuable inputs and finally approve the structure and subjects.

**Proposed by : Dr. Punam Bhoyar**

**Seconded by : Dr. Pallavi Sajanapwar**

**Discussion:** The members suggested the following changes / additions to the common subjects:

1. All members were of the view that MIS subject should be removed
2. Python should be included in basic course as directly dealing with machine learning will be difficult.
3. Mathematics / Statistics is basic requirement for those looking for take BA as specialization
4. Visual Analytics I & II
5. AI applications in Business
6. Based on this the BOS approved the structure

**Resolution No. 1 (10.07.2019): Resolved that Dr. Punam Bhoyar will look into the suggestions offered by the members and how best it can be incorporated into the subjects.**

**Item No. 5 (10.07.2019): To consider the detailed syllabus**

Dr. Punam Bhoyar requested the members to go through the detailed syllabus for the first year and specifically for the marketing management specialization and suggest changes or approval.

Discussion: The members suggested introduction of the following into the syllabus

1. Case Studies / Storytelling, how data is collected, value being added, stakeholders benefits along with dash boarding.
2. Teach how software is developed in current world
3. Rapid Measurement tool
4. How MBA (BA) will facilitate the process.
5. Agile / Neuro / DevOps are the in thing – case study driven
6. Based the discussions, the syllabus was approved

**Resolution No. 2 (10.07.2019): Resolved that Dr. Punam Bhoyar will look into the suggestions offered by the members and how best it can be incorporated into the syllabus.**

**Item No. 6 (10.07.2019): Discussion on any other pertinent issue (confidential or otherwise)**

- i. Dr. Punam Bhoyar requested the members to give suggestions on the examination and evaluation pattern that needs to be followed.

**Discussion**

- 1. Develop a case study per month. CCA is better as project will build up over time
- 2. Small projects in Retail
- 3. Big Data, Hadoop in third semester as external examination

**Resolution 3 (10.07.2019):** It was resolved that Dr. Punam Bhoyar will consider the suggestions and work out how to incorporate them into the examination and evaluation system.

**Item No. 7 (12.07.2019): Comments and Announcements (if any)**

There were no announcements

**Item No. 8 (12.07.2019) Adjournment**

As there was no other topics brought to the table, Dr. Punam Bhoyar proposed that the meeting be adjourned

**Proposed by : Dr. Punam Bhoyar**

**Seconded by : Dr. Pallavi Sajanapwar**

Dr. Punam Bhoyar then gave the Vote of Thanks. She thanked the members for attending the meeting and giving good insights for the functioning of the Institute under Autonomy.

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## MINUTES OF THE BOS (Business Analytics)

HELD ON 25.11.2019

### Members present

Sr.	Description	Name	Designation / Organization
01	Chairperson	Dr. Punam Bhojar	LF BA IIMP
02	Members	Dr. Pallavi Sajanapwar	Dy. Director IIMP
		Ms. Sunita Bangal	Faculty IIMP
		Ms. Neha Ramteke	Faculty IIMP
03	Subject Experts from outside Parent University	Dr. Dhanya Pramod	Director, SCIT Pune
		Mr. Atul Kahate	Author and Faculty of Computer Science
04	Alumnus to be nominated by Director	Mr. Parag Kosurkar	Sapalogy Pvt. Ltd.
05	Member – Secretary*	Dr. Abhijit Chandratreya	Asst. Director, IIMP

### The following members sought leave of absence

S	Name	Designation	Category
4.	Mr. Amit Noubade	IBM Analytics	Member
5.	Dr. Jay Bharateesh Simha	Director/Chief tech. officer, Analytics- Abiba Systems Bangalore	Pro VC Nominee

## **AGENDA**

**Date: 25.11.2019**

**Time: 10.30 am to 12.30 noon**

**Location:**

**Indira Institute of Management, Pune**

- 9. Welcome Note by Chairperson BOS – Dr. Punam Bhoyar**
- 10. Reading and approving MOM of last meeting**
- 11. Discussion on the detailed syllabi for the second year MBA course**
- 12. Any other pertinent issue (confidential or otherwise)**
- 13. Comments and Announcements (if any)**
- 14. Adjournment (followed by lunch)**
- 15. Comments and Announcements (if any)**
- 16. Adjournment (followed by lunch)**

**Next meeting date: To be decided before adjournment**

### **Item No. 1 (25.11.2019) : Welcome Note**

Dr. Punam Bhoyar welcomed all members of the BOS in Business Analytics to the second meeting of the BOS constituted as per the guidelines of UGC for autonomous Institutes and approved by SPPU.

### **Item No. 2 (25.11.2019) Reading and approving MOM of last meeting**

Dr. Punam Bhoyar then read out the minutes of the last BOS meeting and informed the members that IIMP has accommodated most of the suggestions given and requested that the members approve of the minutes

**Proposed by : Dr. Punam Bhoyar**

**Seconded by : Dr. Pallavi Sajanapwar**

**Resolution 1 (25.11.2019): Resolved that the minutes of last BOS meeting are approved as it is.**

### **Item No. 3 (25.11.2019) Discussion on the detailed syllabi for the second year MBA course including major / minor specialization**

Dr. Punam Bhoyar then informed the members that there will be a discussion on the syllabi of the third and fourth semester. She also informed that there will be discussion on the major and minor subjects to be offered to the students during the second year.

Dr. Pallavi Sajanapwar requested the members to go through the major / minor subjects being offered and approve of them. She also requested the members to pay particular attention to the COs of each subject and see that whether the units are in line with them.



**Discussion:** The syllabus was discussed in details and following suggestions were made by the BOS Members:

1. In case Advance statistical Methods (301) subject, Dhanya ma'am suggested that machine learning need to be taught before missing value treatment.
2. Laboratory requirements were discussed and Pallavi ma'am asked Poonam ma'am to propose budget for approval.
  - a. SAS could be incorporated but it is costly.
  - b. Tableau Student Version is free , students can opt for it
  - c. 2-3 Faculty licence and 30 Student licences need to be purchased
3. In case of subject, Social Media, Web and Text Analytics (302), BOS members asked to remove API.
4. Subject Artificial Intelligence in Business Applications (303), discussion held on case findings as it might be difficult, in case of deep learning BOS asked to keep applications and asked tools to be removed
5. In case of Big Data Project Management (304), Big data context is not identified, BOS asked to align the context, asked to include framework for data mining. PERT/CPM – Case studies of PM could be included, Google, F/B learning could be included. Comparison of PM vs. Big data needs to include. 3<sup>rd</sup> and 4<sup>th</sup> Chapter need to club and add on chapter (split 2<sup>nd</sup> )
6. Fundamentals Machine Learning (301(Ele)), Concept in should be covered in Machine learning and practical/ examples should be coved in predictive analytics. BOS asked to remove Clustering.

7. Discussion of various certifications took place viz. Tableau certification, Social media / Google Analytics. Coursera certification for internal evaluation discussed. Certification for placement need to be identified.
8. Operations Analytics (302(Ele)), Operations analytics, for Certification, Poonam ma'am being asked to communicate with Mujumdar sir. (Like SIOM)
9. On Time series application could be included instead of theory.
10. Foundations in Spark and Scala (305(Ele)), Hadoop installation before spark and Scala need to be covered. Certification need to find.
11. Predictive Modelling (306(Ele)), Cases of machine learning need to include, from last chapter (fraud analytics need to remove), data pre-processing to remove. Case studies using Machine learning need to include...
12. Unstructured Data Analytics (401), hands on case studies could be included (Alexa)
13. ETL, Data Profiling and Data Modelling (402), specific tools need to exclude in syllabus.
14. Data Science using Spark and Scala 401(Ele), BM installation of Hadoop, cloudera tools could be included.
15. Insurance Analytics (402(Ele)), is Okay
16. Discussion took place on, in next syllabus revision, proposal would be made to combine all related subject and will have same code for all specialization.
17. Concern regarding availability of resource persons for viva voce was raised, BOS members resolved the concern.
18. Regarding MOOCs discussion took place; BOS suggestion was to have institute level registration (Coursera). Since for all courses it is not possible, it is decided that management will sanction budget and will reimburse students as per management policy. Even certification on IOT on Swayam was suggested by BOS, John Hawkins University, Edex, Udemy references were discussed.

19. Major and Minor specialization subject discussion took place. Advanced Statistical methods and Business Application –MOOCS were asked to offer in minor specialization.

Dr. Punam Bhoyar assured the members that the suggestions will be incorporated. Based on the discussion, the members approved the syllabus

**Resolution 2 (25.11.2019)** Resolved that the syllabus and major and minor subjects for the second year of BA Specialization is approved.

**Item No. 4 (25.11.2019): Discussion on any other pertinent issue (confidential or otherwise)**  
NIL

**Item No. 5 (25.11.2019): Comments and Announcements (if any)**

There were no announcements

**Item No. 6 (25.11.2019) Adjournment**

As there was no other topics brought to the table, Dr. Punam Bhoyar proposed that the meeting be adjourned

**Proposed by : Dr. Punam Bhoyar**

**Seconded by : Prof. Sunita Bangal**

Dr. Punam Bhoyar then gave the Vote of Thanks. She thanked the members for attending the meeting and giving valuable inputs

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