

**School of Applied Science**  
**Department of Physics**

**Minutes of Board of Studies Meeting -2020**

Date: 11<sup>th</sup> July 2020

Agenda: **Revision of Curriculum -2020**

Reference: Observation and Feedback received from Recruiter/Practitioner/Alumni/Students /Parents

The Board of Studies meeting was conducted in online mode (due to the continuing Covid-19 Pandemic) on 11<sup>th</sup> July 2020. The meeting commenced at 2:30 pm and continued for about one and a half hours.

**Discussion and Resolution taken:**

- At the outset, Prof Supriya Pattanaik, Vice Chancellor welcomed the invited (external) experts from industry and academia and addressed all the participants. She outlined the broad contours of academic developments with respect to emerging research and skill integration areas and pointed out how the University has aligned its curricula keeping in view these developments. She also outlined how the University examination system is being reformed aligning it with the current trends and evolving methods of pedagogy and academic delivery. Steps being taken to execute all academic programs of the University in Covid-19 conditions were also pointed out by her.
- The detailed course outline and Syllabus of Department of Physics was presented by Prof. Mohammed Siddique, Associate Dean, SoAS.
- The external experts (industrial and academic) appreciated the general approach of the University dividing the curriculum into Core, Domain and Skill Courses and noted with satisfaction, the syllabi being uptodate and with due stress on practice and skill.
- They also noted with satisfaction that the syllabi of all BSc core courses was aligned to the UGC prescribed curriculum. It was also suggested that a BSc level, the foundation (or core) courses with basic concepts should be taught well including appropriate proportions of theory, practice, projects. Advanced topics like Graphene, Nano-materials, etc may be included as electives and at introductory level only.
- The experts also appreciated the advanced and focused nature of the MSc Core courses. Inclusion of advanced Materials Science topics such as Graphene, Composite Materials etc. was highly appreciated. Inclusion of Internship components into the MSc curriculum was also strongly suggested.
- One of the experts, while appreciating the relevance of the proposed MSc Core courses, suggested to include Rietveld refinement of XRD as a topic in the course and

efforts should be made to accommodate the needs of the MSc students to appear in the national level competitive examinations like NET, GATE and JEST etc.

- Similarly, some specific additions such as Graphene Composites and Sandwich Constructions were suggested to be included in MSc Core courses at appropriate level. The experts were assured that their suggestions will be duly acted upon.
- Emphasis on practice classes reflected in all syllabi was highly appreciated.
- It was suggested that questions in the examinations should focus on creative and analytical thinking rather than asking for repetitive answers which encourage rote-learning. It was felt that the new Internal Evaluation system which includes projects and seminar presentations will go a long way to serve the purpose of creative and analytical application of concepts taught in classes.
- **The Board of Study members recommended and approved the syllabus for both BSc and MSc Programs to be taught in upcoming semesters.**
- The meeting was adjourned with Vote of Thanks by the Registrar Prof. Anita Patra. She thanked all the external members present in the meeting for sparing their valuable time from their busy schedule and make it successful.

List of External Resource/Alumni/Students/Parents/faculty

Sl. No.	Name	Organisation	Signature
1.	Prof. Supriya Pattanaik	Vice Chancellor, Centurion University of Technology and Management	
2.	Prof. Anita Patra	Registrar, Centurion University of Technology and Management	
3.	Dr. P. K. Jain	Scientist -G, Center Head for Carbon materials division of ARCI, HYD	
4.	Dr. J K Rath	Director, Mechem Private Ltd, Bhubaneswar	
5.	Dr. Debadhyana Behera	Dept. of Physics, Revenshaw University	
6.	Prof. Dipankar Bhattacharyay	Dean – SoAS, Centurion University of Technology and Management	
7.	Prof. Mohammed Siddique	Associate Dean- SoAS, Centurion University of Technology and Management	
8.	Dr. Tapan Dash	HoD- Dept of Physics- SoAS, Centurion University of Technology and Management	
9	Dr. Subrata Sarangi	Professor, Dept of Physics- SoAS, Centurion University of Technology and Management	



10	Sushree Subhadarsi Bhole	MSc Alumnus, Centurion University of Technology and Management	
11	Sarita Nayak	MSc Alumnus, Centurion University of Technology and Management	
12	Debabrata Mishra	MSc student (Continuing) Centurion University of Technology and Management	
13	Nishikanta Mishra	MSc student (Continuing) Centurion University of Technology and Management	
14	Bapuram Venkateswar Samantaray	MSc student (Continuing) Centurion University of Technology and Management	
15	Sulipta Das	MSc Alumnus, Centurion University of Technology and Management	
16	Sanjay Kumar Harichandan	MSc Alumnus, Centurion University of Technology and Management	
17	Priyabadini Biswal	MSc Alumnus, Centurion University of Technology and Management	
18	Alisha Dalai	MSc Alumnus, Centurion University of Technology and Management	
19	Monalisa B D Subham	BSc Alumnus, Centurion University of Technology and Management	
20	Susmita Rani Pradhan	BSc Student (Continuing) Centurion University of Technology and Management	
21	Jyotir Jagadananda Sahoo	BSc student (Continuing) Centurion University of Technology and Management	
22	Sadia Masih	BSc Alumnus, Centurion University of Technology and Management	
23	Saumya Sarthak Nayak	BSc Alumnus, Centurion University of Technology and Management	
24	Ayush Kumar Sahu	BSc student (Continuing) Centurion University of Technology and Management	
25	Soumya Sonali kar	BSc student (Continuing) Centurion University of Technology and Management	



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26	Amit Kumar Pradhan	BSc student (Continuing) Centurion University of Technology and Management	
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