

Date: 13<sup>th</sup> June, 2022

Minutes of BOS Meeting held on 13<sup>th</sup> June, 2022

A Board of Studies (BOS) meeting of Biomedical Engineering Department was held on 13<sup>th</sup> June, 2022 in the department, to discuss & finalize the changes in Scheme and Syllabus of UG/ PG Biomedical Engineering courses. Meeting was held in hybrid mode with all expert members joining for the same through online platform. Following members joined the meeting:

1. Prof. P. P. Bansod	Chairman
2. Dr. Avinash Sonwane, Professor Department of Biosciences & Bioengineering, IIT-Indore	Expert Member
3. Dr. R. D. Kokate, Professor Instrumentation & Control COEP Pune	Expert Member
4. Dr. Deepak Joshi, Professor Centre of Biomedical Engineering, IIT Delhi	Expert Member
5. Mr. Manish Joshi, GM Sciencetech Technologies Pvt. Ltd, Indore	Expert Member
6. Mrs. Ravisha Bansod, Divisional Biomedical Engineer, MPPHSCL, Bhopal	Expert Member
7. Prof. B. R. Rawal	Special Invitee
8. All Faculty Members of the Department	Members

The deliberations of the meeting are as under:

**Item No.1** – To discuss and approve changes, if any, suggested by DPAQIC in the scheme & syllabus for U.G. Course in B. Tech Biomedical Engineering:

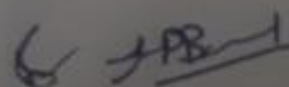
- i. It was proposed that a subject Microprocessors & Microcontroller be introduced in Sem V – Elective I and the Subject Embedded Systems BM-39251 from this pool be shifted to the Elective II pool of subjects in Semester VI (this will require new code for embedded systems as it is shifted to Sem VI).

Since the subjects in Elective II pool do not have practical component, it was proposed to incorporate the practical aspects of the subject Embedded systems into Minor Project-I, BM39952. Practical Syllabus for the same will be redefined for minor project likewise.

There would be no changes in overall credits of both the semesters V & VI. These changes are to be made applicable from academic session 2023-24.

Mr. Manish Joshi suggested the contents of Microprocessors & Microcontroller as per Industrial requirement, which was duly considered in framing the syllabus for the same.

- ii. With respect to the Institute Policy of keeping VIII semester in online mode for the students to enable them to pursue their internship smoothly, it was recommended to swap the pool of subjects in Elective-IV, eighth semester with Elective -III subject pool from seventh semester. The practical component of Elective IV is removed and a



# Shri G. S. Institute of Technology & Science, Indore

## Department of Biomedical Engineering

Date: 13<sup>th</sup> December, 2022

Ref: BMED/BOS/2022/<sup>DEC</sup>Jin-01

### Agenda

A Board of Studies meeting for Biomedical Engineering is scheduled to be held in hybrid mode in the department on 15<sup>th</sup> December, 2022 at 11.30 A.M. The agenda for the meeting is as follows

1. To discuss and approve the scheme for U.G. Course in B. Tech Biomedical Engineering as per NEP 2020 policy
2. Any other item with the permission of chair.

The link for the on line BOS on 15<sup>th</sup> December 2022 Google meet shared below; time 11:30am – 12:30pm.

Google Meet joining info Video call link: To join the video meeting, click this link:  
<https://meet.google.com/jev-aaep-tvz>

*JPS*  
13/12/22  
Dr. P.P. Bansod  
Head, BMED

### Copy to:

- |     |  |                                       |                 |
|-----|--|---------------------------------------|-----------------|
| 1.  | Dr. P.P. Bansod, Head BMED   |                                       | Chairman<br>BOS |
| 2.  | Dr. Ashish Sonwane, Professor, Dept of Biosciences & Bioengineering, IIT Indore        | (Expert Outside the parent Institute) | Member          |
| 3.  | Dr. R.D. Kokate, Professor, Department of Instrumentation and Control, CoPE, Pune      | (Expert Outside the parent Institute) | Member          |
| 4.  | Dr. Deepak Joshi, Center for Biomedical Engineering, IIT Delhi                         | (Nominated by VC)                     | Member          |
| 5.  | Mr. Manish Joshi, General Manager Marketing, Sciencetech Technologies Pvt. Ltd, Indore | (Industry Expert)                     | Member          |
| 6.  | Mrs. Ravisha Bansod, Divisional biomedical Engineer, MPPHSCL, Bhopal                   | (post Graduate Alumnus)               | Member          |
| 7.  | Dr. B.R. Rawal, Professor Mechanical Department  | Special Invitee                       | Invitee         |
| 7.  | Mrs. Vibha Bhatnagar, Assistant Professor, BMED  |                                       | Member          |
| 8.  | Mrs. Gauri Gupta, Assistant Professor, BMED  |                                       | Member          |
| 9.  | Mrs. Avni Majawdia Jain, Assistant Professor, BMED                                     |                                       | Member          |
| 10. | Mr. Sunny Ganavdiya, Assistant Professor, BMED   |                                       | Member          |

Shri G. S. Institute of Technology & Science, Indore

Department of Biomedical Engineering

Date: 15<sup>th</sup> Dec, 2022

Minutes of BOS Meeting held on 15<sup>th</sup> Dec, 2022

A Board of Studies (BOS) meeting of Biomedical Engineering Department was held on 15<sup>th</sup> Dec, 2022 in the department, to discuss & finalize the changes in Scheme of UG Biomedical Engineering course. Meeting was held in hybrid mode with all expert members joining for the same through online platform. Following members joined the meeting:

- |  |                            |
|--|----------------------------|
| 1. Prof. P. P. Bansod  |                            |
| 2. Dr. R. D. Kokate, Professor Instrumentation & Control COEP, Pune        | Chairman<br>Expert Member  |
| 3. Dr. Deepak Joshi, Professor Centre of Biomedical Engineering, IIT Delhi | Expert Member              |
| 4. Mrs. Ravisha Bansod, Divisional Biomedical Engineer, MPPHSCL, Bhopal    | Expert Member              |
| 5. Prof. B. R. Rawal   |                            |
| 6. All Faculty Members of the Department                                   | Special Invitee<br>Members |

The deliberations of the meeting are as under:

**Item No.1** – To discuss and approve the scheme for U.G. Course in B. Tech Biomedical Engineering as per NEP 2020 policy.

Dr. D. Joshi gave following suggestions:

1. To include courses on AI & Machine Learning and Data Science from third year, looking into the present scenario and job requirements.
2. To introduce a course on Medical Ethics & Jurisprudence, looking at the current trends of start-ups in the field of Biomedical.

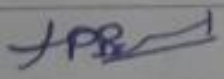
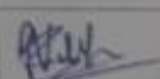
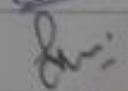
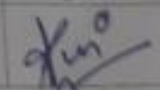

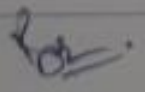

Dr. R. Kokate gave following suggestion:

1. To redefine the syllabus of Power Electronics as per medical equipment requirements and also include concepts of energy management.

The proposed scheme is to be made applicable for the students admitted in 1<sup>st</sup> year in the session 2022-23. Necessary changes were incorporated in proposed new scheme as per NEP 2020. The same is enclosed.

The meeting ended with a vote of thanks to the chair.

**Signature**

Prof. P. P. Bansod		Mrs. Vibha Bhatnagar	
Dr. R. D. Kokate	online	Mrs. Gauri Gupta	
Dr. Deepak Joshi	online	Mrs. Avni Jain	
Mrs. Ravisha Bansod	online	Mr. Vinay Manurkar	
Dr. B. R. Rawal		Mrs. Maya Makwana	
Mr. Sunny Ganavdiya	