



Bharatiya Vidya  
**Bhavan**

## **Bhavan's Vivekananda College**

of Science, Humanities and Commerce, Sainikpuri  
Autonomous College | Affiliated to Osmania University  
Accredited with 'A' grade by NAAC

### **Department of Physics and Electronics**

#### **Minutes of the 8<sup>th</sup> BOS meeting in Electronics held on 01-06-2020 at 10.30 am by zoom meeting**

Members Present:

<b>S No</b>	<b>Name</b>	<b>Designation</b>
1	Mrs B Niraimathi Head, Department of Physics and Electronics, BVC	Chairperson
2	Dr. M Prasad, Associate Professor Department of Physics, OU, Hyderabad	OU Nominee
3	Dr. Radhai St. Ann's College for Women Mehdipatnam, Hyderabad	Academic Expert
4	Dr Subha Sunil St. Francis College for Women, Begumpet, Hyderabad	Academic Expert
5	S Allen B Sc (MECS III Year)	Student
6	Mrs M Prasanna BVC	Member
7	Mr. TVLNH Prasad BVC	Member
8	Mrs P Lavanya BVC	Member

#### **Agenda Points:**

1. Approval of semester 3, 4, 5 & 6 syllabi for the batch of students admitted in 2019-20 with Course Objectives and Course outcomes.
2. Approval of the template and syllabi of semester 1 & 2 for the students admitted with effect from 2020-21.
3. Approval of the titles for SEC and GE courses.
4. Highlights of courses having Employability/skill development.
5. Any other points.

*Prasanna*

*M.S.*

**Dr. M. PRASAD**  
Associate Professor  
Dept. of Physics  
Osmania University  
Hyderabad - T.S

The Chairperson welcomed all the members and thanked them for their cooperation for participating in the Board of Studies meeting through online during this covid19 pandemic time. She further started the discussion on the agenda points.

1. Approval of semester 3, 4, 5 & 6 syllabi for the batch of students admitted in 2019-20 with Course Objectives and Course outcomes:

Mrs Niraimathi mentioned that the syllabus for semester I and semester II was approved with **Unit-wise Course Objectives and Course Outcomes** for the students admitted during 2019-20 in the 6<sup>th</sup> BOS meeting. She presented the syllabus for semesters III, IV, V & VI with **Unit-wise Course Objectives and Course Outcomes** to be followed for the batch of students admitted in 2019-20 and requested the board to approve the same.

Resolution 1: The board approved the syllabus for semesters III, IV, V & VI with **Unit-wise Course Objectives and Course Outcomes**.

2. Approval of the template and syllabi of semester I & II for the students admitted with effect from 2020-21:

The chairperson mentioned that as per the guidelines by TSCHE the college will follow the common template prescribed by the TSCHE. However, she expressed that Elective Courses in semester V are either Digital Electronics or 8085 Microprocessor; but Digital Electronics is the foundation course for all other elective courses prescribed by the University. Therefore she mentioned that the college template will have Digital Electronics & Microprocessors as one of the Elective courses in semester V, the other being Computer Organisation. She presented the template with this change and requested the board to approve the same. She also presented the syllabus for semesters I and II. Dr. Shubha suggested to include Course Objectives and Course Outcomes for practical syllabus also.

Resolution 2: The board approved the template to be followed with effect from 2020-21 and syllabus for semester I and II with suggested Course Objectives and Course Outcomes included in practical syllabus.

3. Approval of the titles for SEC and GE courses:

Mrs Niraimathi mentioned that the department would like to include 3 other titles in the list of Skill Enhancement Courses apart from four titles prescribed by Osmania University (Measurements and errors, Basic Instrumentation, Biomedical Instrumentation, Hardware Defined Language) namely, (1) Arduino Programming (2) Consumer Electronics and (3) Design and Fabrication of PCB. The members of the board of studies welcomed.

*Niraimathi*

*M.S.*

Dr. M. PRASAD  
Associate Professor  
Dept. of Physics  
Osmania University

It was proposed to include one or two other titles in the Generic Elective Courses apart from the course **Basic Electronics** prescribed by the University to give wider choices to the students. The board agreed.

Resolution 3: The board approved the titles of all the following Skill Enhancement Courses and Generic Elective Course title.

4. Highlights of courses having Employability/skill development:

Dr. Radhai expressed that courses like Microprocessors, Microcontrollers etc. in the final year can give direct employability. All the four core courses in first and second year, being the foundation courses provide the necessary skills for learning and understanding the elective courses that can provide direct employability to the students. Some of the SEC also can provide employability.

Courses having skill development:

1. Circuit Analysis
2. Electronic Devices
3. Analog Circuits
4. Operational Amplifiers and Analog Communication
5. Instrumentation
6. Measurements and Errors

Courses having Employability:

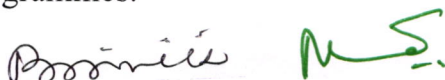
1. Microprocessors
2. Microcontrollers
3. Digital System Design with VHDL
4. Arduino Programming
5. Consumer Electronics

5. Any other points:

Mrs Niraimathi mentioned that

- the scheme of examination and the pattern of question papers remain the same.
- The list of examiners remain the same.

Mr Allen expressed that the schedule of guest lectures and conduct of technical events like National Science Day, where students have a platform for interaction with experts has helped students to know more than what is in regular academics. Therefore he requested that the department should continue having such programmes.



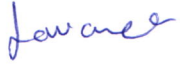



Dr. M. PRASAD  
Associate Professor  
Dept. of Physics  
Gemania University

Resolution 5: It was resolved that the Chairperson, BoS in Physics, in consultation with the Principal of the college is authorized to appoint qualified examiners outside the approved panel in case of urgency. Such arrangements shall however be reported to the BoS in the next meeting.

The Chairperson thanked all the members for their participation and their valuable inputs and the meeting ended at 12.15 as there were no other points.

BoS in Physics

- 1) M. Prasanna 
- 2) T. Prasad 
- 3) P. Lavanya 
- 4) S. Allen 

**Department of Physics and Electronics**

**Minutes of the 7<sup>th</sup> BoS meeting in Electronics held on 07-12-2019 at 3.00pm in the committee room, MBA Block.**

**Members present:**

1. Mrs B Niraimathi -Chairperson
2. Dr. M Prasad -OU Nominee
3. Mrs. Radhai -Academic Expert
4. Dr. LN Shubha -Academic Expert
5. Mr. A V Prasad -Industry Expert
6. Mr. S Allen -Student
7. Mrs M Prasanna -Member
8. Mr TVLNH Prasad - Member
9. Mrs P Lavanya -Member

The chairperson welcomed all the members and initiated the discussion on the agenda points.

Mrs B.Niraimathi briefed the members that the classes for the I Years students commenced in June 2019 and the college could not follow the revised template & syllabus issued by Telangana State Council of Higher Education as the template was released in July 2019; the revised template would be implemented for the batch of students admitted in 2020-21 and the syllabus would be revised accordingly.

The following resolutions were made.

1. The department would continue with the existing syllabus for the core courses for the batch of students admitted in 2019-20.
2. Suggestion for new Skill Enhancement Courses was invited, members suggested to target the outcomes and design the Skill Enhancement Courses. It was suggested to reconsider having Consumer Electronics as normally 'use and replace' is adopted with electronic goods as far as consumer goods is concerned.
3. The practical syllabus of all the core courses are designed to provide strong understanding on the concepts of the Electronic Devices and Circuits, Linear ICs and Digital Electronics, Microprocessors and Embedded Systems. It also provides the necessary skills to handle the various electronic devices, test and measuring instruments and interfacing of microprocessor and microcontroller with other hardware. The courses Digital Electronics, Digital System Design with VHDL, Microprocessor and Microcontroller in semester V and Semester 6 could lead to employability.

Any other points:

Mr. A V Prasad, Industry Expert suggested that the students of department could visit their factory in batches to get exposed to the way how electronics manufacturing units function.

The chairperson thanked all the members of the board for their valuable inputs and the meeting came to an end as there were no other points at 4.00 pm.

*B Niraimathi*

**B Niraimathi**  
Chairperson

1. Mrs B Niraimathi : *B Niraimathi*

2. Dr. M Prasad : *M Prasad*

3. Mr. A V Prasad : *A V Prasad*

4. Mrs. Radhai : *Radhai*

5. Dr. Shubha Sunil : *Shubha Sunil*

6. Mr. S. Allen : *S Allen*

7. Mrs M Prasanna : *M Prasanna*

8. Mr TVLNH Prasad : *TVLNH Prasad*

9. Mrs P Lavanya : *P Lavanya*

**Dr. M. PRASAD**  
Associate Professor  
Dept. of Physics  
Osmania University  
Hyderabad - T.S



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**Department of Physics and Electronics**

**Minutes of the 6<sup>th</sup> BoS meeting in Electronics held on 27-04-2019 at 2.45pm in the committee room, MBA Block.**

**Members present:**

1. Mrs B Niraimathi -Chairperson
2. Dr. M Prasad -OU Nominee
3. Ms. Radhai -Academic Expert
4. Ms Shubha Sunil - Academic Expert
5. Mr. A V Prasad -Industry Expert
6. Mr. Allen -Student
7. Mrs M Prasanna -Member
8. Mr TVLNH Prasad - Member
9. Mrs P Lavanya - Member

The chairperson welcomed all the members and initiated the discussion on the agenda points. She mentioned that the syllabus was last revised in 2016 with the introduction of CBCS in the undergraduate programmes. She also said that first batch of students will pass out in may/June 2019 under CBCS system.

The members of the board discussed on the agenda points. The following changes in the existing syllabus were proposed.

Slight reshuffling of the syllabus of Circuit Analysis Course in semester 1 by


- (i) Shifting Kirchoff's current law and Voltage law from Unit II to Unit I as it seems Unit II is too heavy and Unit I is relatively light.
- (ii) Inclusion of verification of KVL and KCL in the practical syllabus.






The Board made the following resolutions.

1. The proposals made were accepted and the syllabi for semesters I (Circuit Analysis) and II (Semiconductor Devices) of B Sc Electronics, both theory and practicals for the academic year 2019-20 is approved.
2. The Course Objectives and outcomes were discussed and necessary changes were made as per the suggestions made in the board.

3. There is no change in the examination pattern and the allocation of marks for CIA and SEE will remain the same as it was approved in the previous meeting for both theory and practical papers.
4. The panel of examiners recommended by the Chairperson was approved.
5. It was resolved that the chairperson, BoS in Electronics, in consultation with the Principal of the college is authorized to appoint qualified examiners outside the approved panel in case of urgency. Such arrangements shall however be reported to the BoS in the next meeting.
6. Student members suggested to arrange frequent visits to Industries / Research labs, develop videos for all the experiments and upload on college website.
7. Industry expert Mr A V Prasad from M/S Physitech Power systems Pvt. Ltd. offered to provide summer projects for the students.

The chairperson thanked all the members of the board for their valuable inputs and the meeting came to an end as there were no other points to discuss.

  
**B Niraimathi**  
Chairperson

1. Dr. M Prasad : 
2. Mr. A V Prasad : 
3. Mr. Allen :
4. Mrs M Prasanna : 
5. Mr TVLNH Prasad : 
6. Mrs P Lavanya : 





**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE,  
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**Department of Physics and Electronics**

**Minutes of the 5<sup>th</sup> BoS meeting in Electronics held on 03-04-2018 at 12.30am in  
the committee room, MBA Block.**

**Members present:**

**Chairperson:**

1. Mrs B Niraimathi, Head, Department of Physics and Electronics, BVC

*B. Niraimathi*

**Members:**

2. Prof G Prasad, Chairman, BoS in Electronics, Department of Physics, OU, Hyderabad
3. Prof C Vishnuvardhan Reddy, BoS in Physics, Department of Physics, OU, Hyderabad
4. Mr Emmanuel Sanjay Raj, Head, Scientist-SF, System Engineering Group, ADRIN, Hyd.
5. Mrs M Prasanna, Department of Physics and Electronics, BVC
6. Mr TVLNH Prasad, Department of Physics and Electronics, BVC
7. Mrs P Lavanya, Department of Physics and Electronics, BVC

*G. Prasad*  
*C. Vishnuvardhan Reddy*  
*Emmanuel Sanjay Raj*

*M. Prasanna*  
*TVLNH Prasad*  
*P. Lavanya*

The chairperson greeted all the members and discussed on the agenda points. The following resolutions were made.

1. The syllabus for III Year consisting of Core and Elective Courses for Semesters V and VI was finalized and approved.
2. The syllabus for Skill Enhancement Courses for III year (SEM V and SEM VI) was finalized and approved by the board.
3. It was resolved that the allocation of marks for practical examinations for each course would be 25, for the students admitted to I Year with effect from academic year 2018-19 onwards and the scheme of evaluation of Practical Examination was approved.
4. The panel of examiners recommended by the Chairperson was approved.
5. It was resolved that the chairperson, BoS in Electronics, in consultation with the Principal of the college is authorized to appoint qualified examiners outside the approved panel in case of urgency. Such arrangements shall however be reported to the BoS in the next meeting.

The chairperson thanked all the members of the board for their valuable inputs and the meeting came to an end as there were no other points at 1.15pm.

*B. Niraimathi*  
*3/4/2018*  
**CHAIRPERSON  
BOS in Physics/Electronics  
Bhavan's Vivekananda College  
Sainikpuri**

*G. Prasad*  
**CHAIRMAN  
Board of Studies in Electronics  
Osmania University, Hyd.**



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**Minutes of the 4<sup>th</sup> BoS meeting in Electronics held on 01-04-2017 at 10.00 am in  
the Committee Room, MBA Block.**

**Members present:**

S No	Name	Designation	Signature
1	Mrs B Niraimathi <b>Chairperson</b>	Head, Department of Physics and Electronics, BVC	
2	Prof K Shiva Kumar <b>OU Nominee</b>	Chairman, BoS in Electronics, Department of Physics, OU, Hyderabad	
3	Prof C Vishnuvardhan Reddy <b>Special invitee</b>	Chairman, BoS in Physics, Department of Physics, OU, Hyderabad	
4	Mr Emmanuel Sanjay Raj <b>Industry Expert</b>	Head, Scientist-SF, System Engineering Group, ADRIN, Hyderabad	-
5	Mrs M Prasanna <b>Member</b>	Asst Professor, Department of Physics and Electronics, BVC	
6	Mr TVLNH Prasad <b>Member</b>	Asst Professor, Department of Physics and Electronics, BVC	-
7	Mrs P Lavanya <b>Member</b>	Lecturer, Department of Physics and Electronics, BVC	

The following points were discussed as per the agenda and resolved as follows.

1. The syllabus for B Sc II Year (Semester III & Semester IV) Electronics for both theory and practicals was approved under CBCS for implementation with effect from academic year 2017-18.
2. The syllabus for skill enhancement courses (SEC) with titles, **(1) Basic instrumentation skills, (2) Physics behind home appliances, (3) Renewable energy and energy harvesting and (4) Consumer Electronics** approved under CBCS for implementation with effect from academic year 2017-18.
3. It was resolved that the chairperson, BoS in Electronics, in consultation with the Principal of the college is authorized to appoint qualified examiners outside the approved panel in case of urgency. Such arrangements shall however be reported to the BoS in the next meeting.

The chairperson expressed her gratitude to all the members for their valuable suggestions and cooperation. The meeting concluded with a vote of thanks by the chairperson at 11.30 am.

BO S in Electronics  
Bhavan's Vivekananda College  
Sainikpuri



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**Minutes of the 3<sup>rd</sup> BoS meeting in Electronics held on 22-06-2016 at 3.00 pm in  
the Committee Room, MBA Block.**

**Members present:**

S No	Name	Designation	Signature
1	Mrs B Niraimathi <b>Chairperson</b>	Head, Department of Physics and Electronics, BVC	
2	Prof C Vishnuvardhan Reddy <b>OU Nominee</b>	Chairman, BoS in Electronics, Department of Physics, OU, Hyderabad	 CHAIRMAN Board of Studies in Electronics Osmania University, Hyd.
3	Prof D Suresh Babu <b>Academic Expert</b>	Head, Department of Physics, OU, Hyderabad	
4	Mr Emmanuel Sanjay Raj <b>Industry Expert</b>	Head, Scientist-SF, System Engineering Group, ADRIN, Hyderabad	
5	Mrs M Prasanna <b>Member</b>	Asst Professor, Department of Physics and Electronics, BVC	
6	Mr TVLNH Prasad <b>Member</b>	Asst Professor, Department of Physics and Electronics, BVC	
7	Mrs P Lavanya <b>Member</b>	Lecturer, Department of Physics and Electronics, BVC	

The following points were discussed as per the agenda and resolved as follows.

1. It was resolved to adopt to CBCS with effect from 2016-17.
2. The syllabus for B Sc I Year (Semester I and Semester II) Electronics for both theory and practicals was approved under CBCS for implementation with effect from academic year 2016-17.
3. The model question paper and the panel of examiners were approved.
4. It was resolved that the chairperson, BoS in Electronics, in consultation with the Principal of the college is authorized to appoint qualified examiners outside the approved panel in case of urgency. Such arrangements shall however be reported to the BoS in the next meeting.

The chairperson expressed her gratitude to all the members for their valuable suggestions and cooperation. The meeting concluded with a vote of thanks by the chairperson at 3.50 pm.

CHAIRPERSON  
BOS in Physics/Electronics  
Bhavan's Vivekananda College  
Sainikpuri



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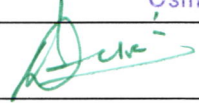


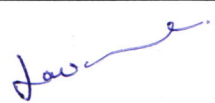
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**Minutes of the 2<sup>nd</sup> BoS meeting in Electronics held on 22-03-2016 at 3.30 pm in  
the seminar hall, MBA Block.**

**Members present:**

S No	Name	Designation	Signature
1	Mrs B Niraimathi <b>Chairperson</b>	Head, Department of Physics and Electronics, BVC	 22/03/2016
2	Prof C Vishnuvardhan Reddy <b>OU Nominee</b>	Chairman, BoS in Electronics, Department of Physics, OU, Hyderabad	 CHAIRMAN Board of Studies in Elec Osmania University,
3	Prof D Suresh Babu <b>Academic Expert</b>	Head, Department of Physics, OU, Hyderabad	
4	Mrs M Prasanna <b>Member</b>	Senior Lecturer, Department of Physics and Electronics, BVC	
5	Mr TVLNH Prasad <b>Member</b>	Lecturer, Department of Physics and Electronics, BVC	
6	Mrs P Lavanya <b>Member</b>	Lecturer, Department of Physics and Electronics, BVC	

The chairperson greeted Prof. C Vishnuvardhan Reddy, Chairman, BoS in Electronics, OU and Prof D Suresh Babu, HOD, Physics Department, OU and had a detailed discussion on the syllabus proposed for B Sc II Year and III Year Electronics courses.

The following resolutions were made.

1. As per the resolution made in the 1<sup>st</sup> BOS meeting held on 19-06-2015, there will be one core paper and one elective paper each in semesters V and VI.
2. II Year syllabus for Semesters III (Electronic Circuits) and IV (Operational Amplifiers and Communication) was finalized and approved for implementation with effect from academic year 2016-17.
3. For semester V, core paper (Digital Electronics) and elective papers (8051 Microcontroller/Digital Communication) were finalized and approved for implementation with effect from academic year 2017-18.

4. For semester VI, core paper (8085 Microprocessor) and elective papers (Digital System Design using VHDL/Computer Organization) were finalized and approved for implementation with effect from academic year 2017-18.
5. The panel of examiners for all the papers of II year (Semester III & IV) and III year (Semester V & VI) was approved.
6. It is recommended for adoption of CBCS at the earliest.
7. It was resolved that the chairperson, BoS in Electronics, in consultation with the Principal of the college is authorized to appoint qualified examiners outside the approved panel in case of urgency. Such arrangements shall however be reported to the BoS in the next meeting.

The meeting ended at 5.30 pm as there were no other points for discussion.

*Bosmies*  
22/03/2016



Bharatiya Vidya  
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BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES AND COMMERCE,  
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**Minutes of the 1<sup>st</sup> BoS meeting in Electronics held on 19-06-2015 at 10.00am in  
the committee room, MBA Block.**

**Members present:**

**Chairperson:**

1. Mrs B Niraimathi, Head, Department of Physics and Electronics, BVC

**Members:**


1. Prof J Shiva Kumar, Chairman, BoS, Electronics, Department of Physics, OU, Hyderabad
2. Prof R Sayanna, Head, Department of Physics, OU, Hyderabad
3. Prof D Suresh Babu, Chairman, BoS, Physics, Department of Physics, OU, Hyderabad
4. Mr K C Emmanuel Sanjay Raj, Head, Scientist-SF, System Engineering Group, ADRIN, Hyderabad
5. Mrs M Prasanna, Department of Physics and Electronics, BVC
6. Mr TVLNH Prasad, Department of Physics and Electronics, BVC
7. Mrs P Lavanya, Department of Physics and Electronics, BVC
8. Ms M Neelima, Lead Engineer, Sasken Communication Technologies Ltd, Hyderabad

The chairperson welcomed all the members and formally introduced them to the board. She requested all the members to give their valuable suggestions and advice.

1. It was resolved that one elective paper has to be introduced in both semesters V and VI; hence the syllabus for II year needs to be designed accordingly after deciding the elective papers for final year. Therefore I Year syllabus for Semesters I (Circuit Analysis) and II (Electronic Devices) was finalized and approved. Discussion on syllabus for II and III Years has been deferred for the next meeting of BoS.
2. It was resolved that the marks for internal assessment would be 30% and semester end examination would be 70% for both theory and practical papers.
3. Model question paper for Internal Assessment and Semester End Examinations was approved.

4. The list of examiners for **Circuit Analysis paper** and **Electronic Devices paper** was approved.
5. It was resolved that the chairperson is authorized to add or remove any examiner as and when required.

The chairperson expressed her gratitude to all the members for their valuable contribution. The meeting ended at 12.10 pm as there were no other points for discussion.

  
Prof. J. SIVA KUMAR  
Chairman  
Board of Studies in Electronics  
Department of Physics  
Osmania University  
HYDERABAD-500 007.

