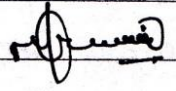
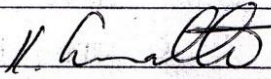
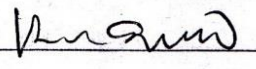
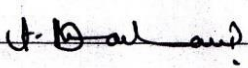
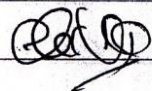
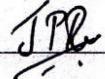
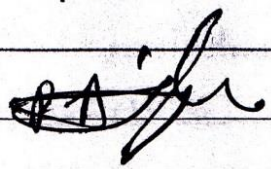
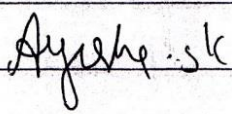


KBN College, (Autonomous), Department of Physics

Minutes of XII meeting of Board of Studies in physics
held on 19th February 2019 at 10:00 AM in the
Department of physics & Electronics

No.	members present.	Designation	Signature
	Dr. P.B. Sandhyasri HoD	Chair person	P.B S.S.S.
	Dr. M. Ramakrishna N. Rao Head, Physics Department The Hindu College, Machilipatnam	University Representative	
	Prof. K. Samatha Head physics, Andhra University	Subject Expert	
	Prof. V. Ravi Kumar Dept. of Physics, Acharya Nagarjuna University	Subject Expert	
5	Dr. J. Chandra Bose Chief Tech, Yagnamayaya Tech Suite Chennai	Representative from Industry	
6	Smt. A. Bindu Madhavi Dept. of Physics, PSCMR CET, VJA	Alumnus	
7	Sri Ch. Nagabhusharam Lecturer in physics	Faculty	
8	Sri J. Panduranga Rao Lecturer in physics	Faculty	
9	Sri P. Anjaneyulu Lecturer in physics	Faculty	
10	Smt. Sk. Aysha Begum Lecturer in physics	Faculty	

Agenda:

1. To revise the syllabus of III Semester for B.Sc (M B.Sc MPCs and to assign a new code to the syllabus.
2. To frame syllabus for ADD-ON programme and to assign code number.
3. To discuss about the future programmes to be organised in the Department for quality enhancement.
4. To discuss and plan the Research and Development programmes to the faculty.
5. To discuss about sending proposals to the funding agencies to organise Seminars & workshops.
6. To discuss about the online courses to the faculty and students.
7. To discuss about organising Career Awareness Programme to the students.
8. To discuss about the Orientation programme to newly joined faculty members by the faculty & faculty members of the Department.
9. To discuss about any other relevant matter.

Resolutions:

- (a) It is resolved to modify the III semester syllabus and approve the syllabus, model question paper, question Bank and blue print, and change the code as CBPHY301A instead of CBPHY301.
- (b) It is resolved to modify implement the revised syllabus and new code from the academic year 2019-20.
- (c) It is resolved to add a chapter for the benefit of the student in Unit I as required basics and for the better understanding of "wave optics". It is also resolved that the newly added chapter is deemed to be providing a better understanding of the foundation of the course and shall not be included for examination and evaluation.

The added chapter

Brief history of light & lenses (2 hrs) (not for examination)
Chronological development of theories of light - Basic knowledge about lens - position of image formation - laws of reflection - laws of refraction - Snell's law - lens formula - lens maker formula - refractive index & spectrum.

- (d) It is also resolved to add the following topics in units 2, 3, & 4.

Unit - 2 - condition for interference of light

Determination of wavelength thickness of the thin film transparent sheet - non reflecting films - Determination of wavelength of monochromatic light - Determination of thickness of thin plate using Michelson interferometer

Unit - 3

3a. Difference between resolving power and diffraction power.

3b. Rectilinear propagation

Unit - 4.

Specific rotatory power - optical activity - specific rotatory power

Unit - 5

5a. Different Pumping mechanisms.

5b. Recording hologram - reconstruction of image
Total internal reflection.

Deletions.

Unit - 4. method of polarisation by reflection.

2. It is resolved to assign the title "Soldering de-soldering" for add on program and code as AOCPE 113.

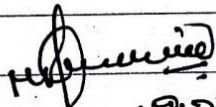
3 (a) It is resolved to participate in National International Seminars.

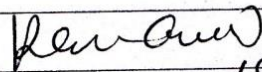
4 (a) It is resolved to publish papers in UAC U Journals and update the data in Research Google Scholar and Web of Science.

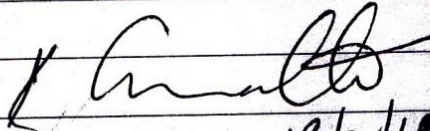
(b) It is resolved to apply for Minor & Major research projects.

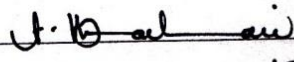
(c) It is resolved that all the members of the Department to either enroll / continue / complete Mphil's / Ph.D's.

7. It is resolved to organise career Orientation Program to the students
8. It is also resolved to organise orientation program to the newly joined faculty
9. To conduct field Trips and to organise project exhibition.


19.02.2019

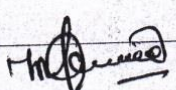
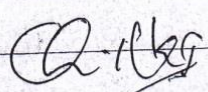
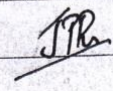
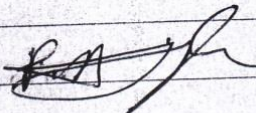

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KBN College, (Autonomous), Dept. of Physics

Minutes of XII meeting of Board of Studies in
Physics held on 13.07.2019 at 10.00 am in the
Department of Physics & Electronics.

S.No.	Members Present	Designation	Signature
1.	Dr. P.B. Sandhya Sri Head of the Dept	chairperson	P.B.S.S.
2.	Dr. M. Rama Krishna N. Rao Head, Physics Department The Hindu College, Machilipatnam	University Nominee	
3.	Prof. K. Samatha Head, Physics Department Andhra University - Visakhapatnam	Subject Expert	K Samatha
4.	Prof. V. Ravi Kumar Head, Physics Department Acharya Nagarjuna University	Subject Expert	Ru Kumar
5.	Dr. J. chandra Bose Chief Tech. Yagnamayaya Tech Suite Chennai	Representative from Industry	ABSENT
6.	Smt A. Bindu Madhavi Dept of physics, PSCMRCEI, VJA	Alumnus	A. Bindu Madhavi
7.	Sri Ch. Nageshushanam Lecturer in physics	Faculty	
8.	Sri J. Panduranga Rao Lecturer in physics	Faculty	
9.	Sri P. Anjaneyulu Lecturer in physics	Faculty	
10.	Smt. SK. Ayesha Begum Lecturer in physics	Faculty	Ayesha

Agenda

1. To revise the Syllabus of IV Semester for BSc MPC & BSc MPCs and to assign a new code to the revised Syllabus.
2. To frame Syllabus for ADD-ON programme and assign Code number
3. To discuss about the future programmes to be arranged in the Department for quality Enhancement
4. To discuss and Plan the Research and Development Programmes to the Faculty.
5. To discuss about the sending proposals to the funding agencies to organise Seminars & workshops
6. To discuss about the online courses to the faculty and students.
7. To discuss about organising Career Awareness programme to the students.
8. To discuss about any other relevant matter.

Resolutions.

1. It is resolved to modify the IV Semester syllabus for BSc MPC & MPCs and to approve the Syllabus model question paper, Question Bank and blue print and exchange the code as CBPHY401A instead of CBPHY401

2. It is resolved to implement the revised syllabus from the academic year 2019-20.

3. It is resolved to add the following topics

Unit I - RMS speed, Average speed, Most Probable Speed (concepts only)

Unit II - Indicator diagram and uses.

Unit III - Joule - Kelvin effect - Perfect gas

Unit IV - Kapitza's Helium liquefier - Applications of substance at low temperatures.

Unit V - Deduction of Rayleigh - Jean's law, Wien's law, Wien's Displacement law & Stefan's law from Planck's radiation law.

4. It is resolved to delete the topics "Wien's law & Wien's Displacement law" from V unit.

5. It is resolved to frame syllabus & to assign code¹¹⁶ number for Add on program entitled "Basic Electricity".

3 (a) It is resolved to participate in National / International Seminars / workshops

4 (a) It is resolved to apply for minor / major research projects.

(b) It is resolved to publish research papers in UGC reputed journals and update the data in Research gate / WoS / Google scholar.

(c) It is resolved that all the members of the Department to either enroll / continue / complete M.Phil / Ph.D.

5. It is resolved to apply for funding to APTA for organising workshop.

6. It is resolved to complete online course

7. It is resolved to organise Career awareness Program to the Third year Students.

8. To organise a field trip for III B.Sc students to NFC, Hyderabad

1. Dr. P-B. Sandhya Sri

P-B. Sallu

2. Dr. H. Rama Krishna Rao

H.R. Rao

3. Prof. K. Samatha

K. Samatha

4. Prof. V. Ravi Kumar

V. Ravi Kumar

5. Smt A - Bindu Mathur

A. Bindu Mathur