

Date:22nd January 2021

Notice

Board of Studies (BOS) KCES's Moolji Jaitha College (Autonomous), Jalgaon

As directed by Principal, MJC, this is to inform that, the 1st meeting of Board of studies (BOS) of **physics and electronics** for the academic year 2020-21 is to be scheduled on 25th January 2021 at 4.00 pm by **online** mode. The agenda for the said meeting is given below.



[Handwritten Signature]

Chairman
BOS
Physics and Electronics

C. E. Society's

Moolji Jaitha College

An 'Autonomous College' Affiliated to

B.C. North Maharashtra University, Jalgaon.

IAAC Reaccredited Grade - A (CGPA : 3.15 - 3rd Cycle) |

GC honoured "College of Excellence"

Dept. of Biotechnology, Ministry of Science & Technology honoured

Star College" | DST(FIST) Assisted College



के. सी. ई. सोसायटीचे

मूळजी जेठा महाविद्यालय

क. व. सी. उत्तर महाराष्ट्र विद्यापीठ, जळगाव संलग्नित

'स्वायत्त महाविद्यालय'

नॅकद्वारा पुनर्मानकित श्रेणी - 'ए' (सी.जी.सी.ए. : ३.१५ - तिसरी फेरी)

विद्यापीठ अनुदान आयोगाद्वारा घोषित 'कॉलेज ऑफ एक्सेलन्स'

भारत सरकारच्या विज्ञान, तंत्रज्ञान, जैवतंत्रज्ञान विभागालाई

घोषित 'स्टार कॉलेज' | डी.एस.टी. (फिस्ट) अंतर्गत अर्थसहाय्य प्राप्त

Ref. No. MJC/BOS/Phy-22/01/2020-21

Date 22/01/2021

Agenda for First meeting of Board of Studies in Physics and Electronics scheduled on 25th January 2021 at 4.00 pm

Issue No. 1: To read and confirm the minutes of previous meeting.

Issue No. 2: To correlate and confirm the titles of each paper (UG FY/SY; PG FY/SY) in accordance with submission to examination section and change if necessary.

Issue No. 3: To finalize the course wise **outline** of syllabus structure for third year of graduation.

Issue No. 4: To include/ modify the measurable course objectives /outcome for each course.

Issue No. 5: To discuss the possibility of addition of topics related to NAAC suggestions such as cross cutting issues in Criterion-I, research ethics in Criteria III etc.

Issue No. 6: Any other issues with the permission of Chair.

You are cordially invited to attend the meeting.

Chairman

Board of Studies

Physics and Electronics

Principal

M.J. College, Jalgaon

B.O.S Meeting

Date 25 Jan 21

The Meeting of BOS in physics and Electronics M.J. college, Jalgaon (Autonomous) Jalgaon Was held on 25 Jan 2021 in online Mode at School of physical Science at 4.00 pm.

The Following Members were present for the meeting.

- 1) Dr. K.B. Mahajan
- 2) Dr. V.R. Khadse
- 3) Prof Dr. M.A. More
- 4) Prof Dr. Nitin M. chaudhari
- 5) Dr. A.J. chaudhari
- 6) Dr. H.B. Gajare
- 7) Mr. M.N. Lidhure
- 8) Prof Dr. R.R. Attarde
- 9) Mr. K.S. Bonde.
- 10) Mrs Kavita S. Patil
- 11) Mrs. Pratibha R Nikam
- 12) Mr. Premjit G. Jadhav
- 13) Dr. Vishal D. Bharud
- 14) Mrs. Bhavana A Maneke
- 15) Mr. S.P. Pawde



K. C. E. Society's Moolji Jaitha College, Jalgaon- 425001

"An Autonomous College Affiliated to K.B.C. N.M.U. Jalgaon"
| NAAC Re-Accrediated Grade "A" CGPA 3.15 |
| UGC Honoured "College of Excellence" |

Ref. No. :

Date: 25th January 2021

Minutes

The Meeting of **Board of Studies in Physics and Electronics** under K.C.E. Society's Moolji Jaitha College (Autonomous), Jalgaon was held on 25th January 2021 in online mode at School of Physical Sciences at 04.00 pm.

The following members were present for the meeting:

Sr. No.	Name of the member	Position
01	Dr. K. B. Mahajan	Chairman
02	Dr. V. R. Khadse	Member
03	Prof. Dr. M. A. More	Member
04	Prof. Nitin M. Kulkarni	Member
05	Mr. A. J. Chaudhari	Member
06	Dr. H. B. Gajare	Member
07	Mr. M. N. Lidhure	Member
08	Dr. R. R. Attarde	Member
09	Mr. K. S. Bonde	Member
10	Mrs. Kavita S. Patil	Member
11	Mrs. Pratibha R. Nikam	Member
12	Mr. Premjit G. Jadhav	Member
13	Dr. Vishal D. Bharud	Member
14	Mrs. Bhavana A. Manekar	Member
15	Mr. S. P. Pawde	Member

The following members were absent with prior permission:

1. Prof. A. D. Shaligram
2. Mr. Kishor D. Dhake
3. Dr. Mrunalini H. Phalak

Agenda

Issue 1: To read and confirm the minutes of previous meeting.

Issue 2: To correlate and confirm the titles of each paper (UG FY/SY; PG FY/ SY) in accordance with submission to examination section and change if necessary.

Issue 3: To finalize the course wise **outline** of syllabus structure for third year of graduation.

Issue 4: To include/ modify the measurable course objectives /outcome for each course.

Issue 5: To discuss the possibility of addition of topics related to NAAC suggestions such as cross cutting issues in Criterion-I, research ethics in Criteria III etc.

Issue 6: Any other issues with the permission of Chair.

The Chairman welcomed all the members those who were present in online as well as offline mode for the said meeting. The following points were discussed.

Item I. Confirming the minutes of the Last Board of Studies meeting held on 28th February 2020.

The Chairman briefly spoke about the decisions taken at the previous meeting.

In the last meeting following decisions were taken:

1. Well come of BOS members.
2. Approved structure for T.YB.Sc. (Physics and Electronics)
3. Approved S.Y.B.Sc. (Physics and Electronics) syllabus and M.Sc. Part-II Physics Syllabus.
4. Nominated Dr. V. R. Khadse as member 48(3) (iv) of Maharashtra Public University Act 2016.

Resolution-

We take that the Minutes of the Last Board of Studies meeting in Physics and Electronics have been approved and passed.

The Chairman presented the agenda of the meeting and the business was transacted as per the agenda.

Item II. Chairman with the others BOS members confirmed the title of each paper (UG FY/SY; PG FY/ SY) in accordance with submission to examination section.

Item III. Thoroughly discussion was made on the course structure and the titles of each paper and then approved and finalised the structure for T.YB.Sc. Physics and Electronics, that is as follows.

T. Y. B. Sc. Physics Course Structure

sem/ semester	Course Module	Subject Code	Title of Paper	Credit	Hours per Week
V	DSE	PHY-351	MATHEMATICAL METHODS FOR PHYSICS	3	3
	DSE	PHY-352	SOLID STATE PHYSICS	3	3
	DSE	PHY-353	CLASSICAL MECHANICS	3	3
	DSE	PHY-354	ADVANCED ELECTRONICS	3	3
	DSE	PHY-355	ELEMENTS OF MATERIAL SCIENCE	3	3
	DSE	PHY-356	LASER PHYSICS	3	3
	DSE	PHY-357	LABORATORY - I	3	4
	DSE	PHY-358	LABORATORY - II	3	4
	DSE	PHY-359	PROJECT - I	3	4
	SEC	PHY-350 (A) / PHY-350 (B)	TECHNICAL ELECTRONICS / MEDICAL PHYSICS	3	3
VI	DSE	PHY-361	CLASSICAL ELECTRODYNAMICS	3	3
	DSE	PHY-362	QUANTUM MECHANICS	3	3
	DSE	PHY-363	ATOMIC AND MOLECULAR PHYSICS	3	3
	DSE	PHY-364	NUCLEAR AND PARTICLE PHYSICS	3	3
	DSE	PHY-365	PHYSICS OF DEVICES AND COMMUNICATION	3	3
	DSE	PHY-366	COMPUTATIONAL PHYSICS USING C LANGUAGE	3	3
	DSE	PHY-367	LABORATORY - I	3	4
	DSE	PHY-368	LABORATORY - II	3	4
	DSE	PHY-369	PROJECT - II	3	4
	SEC	PHY-360 (A) / PHY-360 (B)	RENEWABLE ENERGY AND ENERGY HARVESTING/ LABVIEW PROGRAMMING	3	3

T. Y. B. Sc. Electronics Course Structure

Term/ Semester	Course Module	Subject Code	Title of Paper	Credit	Hours per Week
V	DSE	ELE-351	OPERATIONAL AMPLIFIERS AND APPLICATIONS	3	3
	DSE	ELE-352	DESIGN WITH ANALOG IC	3	3
	DSE	ELE-353	POWER ELECTRONICS	3	3
	DSE	ELE-354	EMBEDDED SYSTEM	3	3
	DSE	ELE-355	SENSOR AND ACTUATORS	3	3
	DSE	ELE-356	INSTRUMENTATION	3	3
	DSE	ELE-357	LABORATORY-I	3	4
	DSE	ELE-358	LABORATORY-II	3	4
	DSE	ELE-359	PROJECT:-I	3	4
	SEC	ELE-350 (A) / ELE-350 (B)	PROGRAMMING WITH LABVIEW PROCESS AUTOMATION AND PROGRAMMABLE LOGIC CONTROL	3	3
VI	DSE	ELE-361	ADVANCE DIGITAL SYSTEM DESIGN	3	3
	DSE	ELE-362	TRANSMISSION LINES, ANTENNA AND WAVE PROPAGATION	3	3
	DSE	ELE-363	OPTOELETRONICS	3	3
	DSE	ELE-364	BIOMEDICAL INSTRUMENTATION	3	3
	DSE	ELE-365	PYTHON PROGRAMMING	3	3
	DSE	ELE-366	NUMERICAL SIMULATION IN ELECTRONICS	3	3
	DSE	ELE-367	LABORATORY-I	3	4
	DSE	ELE-368	LABORATORY-II	3	4
	DSE	ELE-369	PROJECT:-II	3	4
	SEC	ELE-360 (A) / ELE-360 (B)	ARDUINO PROGRAMMING MECHATRONICS AND DIGITAL MACHINING	3	3

Item IV. Discussion was made on the preparation and modification of course objectives and outcome for each course. Committee unanimously decided to modify and set the measurable course objectives / outcomes for F.Y.B.Sc./ S.Y.B.Sc. / M.Sc. and instruction given to all BOS members to set measurable course objectives / outcomes for T.Y.B.Sc. also.

Item V. Discussion was made on the possibility of addition of topics related to NAAC suggestions such as cross cutting issues in Criterion-I, research ethics in Criteria III etc. but there is no scope to add such topics in the syllabus of physics and electronics though all the courses are scientific and technical.

Item VI. Any other suggestions - NIL

The meeting concluded with vote of thanks to the chair.



(Dr. K. B. Mahajan)
Chairperson

Board of Studies in Physics and Electronics