

**MINUTES OF 1<sup>st</sup> BOS MEETING OF SCHOOL OF AGRICULTURAL SCIENCES**

1<sup>st</sup> BOS meeting of School of Agricultural Sciences was held on September 11, 2019 at 10.00 A.M. virtually through MS Teams. Following members were present:

- |                            |                                    |
|----------------------------|------------------------------------|
| 1. Dr. Meena Bhandari      | : Internal Member, Chairperson     |
| 2. Dr. Anurag Sahu         | : Internal Member, University      |
| 3. Dr. K.G. Wankhede       | : Internal Member, University      |
| 4. Dr. Shyam Sunder Sharma | : Member External, Academic Expert |

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members presented in the 1<sup>st</sup> meeting of BOS and thanked them for attending the meeting. The agenda item was placed before the members of BOS and subsequent discussions and decisions were made during the meeting.

**1.01 To introduce the programme of B.Sc. (Hons.) Agriculture in the University for the admission year 2019**

The Chairperson apprised the members for the introduction of B.Sc. (Hons.) Agriculture by the University in the academic year 2019. Members considered and approved the new programme as per *Annexure-I* of the agenda item.

**1.02 To approve the syllabus of B.Sc. (Hons.) Agriculture as per CBCS for the academic year 2019-2020**

The syllabus and curriculum of B.Sc. (Hons.) Agriculture programme for the academic year 2019-2023, in accordance with the CBCS were presented before the Board members. The same was discussed and confirmed as per the *Annexure II* of the agenda item.

**1.03 To consider and approve the addition of open elective courses for the course curriculum of B.Sc. (Hons.) Agriculture as per CBCS**

The addition of open elective courses for the course curriculum of B.Sc. (Hons.) Agriculture as per CBCS. Open Electives refer to the subjects and topics that students can opt for in addition to their primary area of study. These offer students' greater autonomy over their curriculum, giving them the opportunity to customise it to reflect



their passions and interests. The system of Open Electives also encourages cross and multidisciplinary learning. It is mandatory for undergraduate students to undertake open elective courses for two credits each before the completion of the Fourth Semester and the same was approved by the Board of Studies committee as per *Annexure III*. The decision was taken under the guidelines of university.

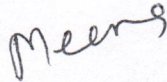
**1.04 To approve the revised list of the internal, external paper setters and evaluators for B.Sc. (Hons.) Agriculture programme for semesters I and II.**

The revised list of internal and external paper setters and evaluators for semester I and II each course was discussed and approved by the board as listed in *Annexure-IV*.

**Vote of Thanks:**

The Chairperson thanked members for their gracious presence, active participation and giving useful suggestions.

The meeting ended with vote of thanks to the Chair.



**Dr. Meena Bhandari**  
**Dean**  
**SOAS**

DEAN  
School of Agriculture Sciences (SOAS)  
K.R. Mangalam University  
Sohna road, Gurugram  
Haryana 122103



Registrar  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



**K.R. MANGALAM UNIVERSITY**  
**Sohna Road, Gurugram – 122103 (Haryana)**

---

**MINUTES OF 2<sup>nd</sup> BOS MEETING OF SCHOOL OF AGRICULTURAL SCIENCES**

2<sup>nd</sup> BOS meeting of School of Agricultural Sciences was held on **June 4, 2020** at 10.00 A.M. virtually through MS Teams. Following members were present:

**Minutes of the Meeting**

**Participants of the meeting:**

1. Dr. S.S. Sharma	Member Internal, Chairperson
2. Dr Meena Bhandari	Member Internal, University
3. Dr Anurag Sahu	Member Internal, University
4. Dr K.G Wankhede	Member Internal, University
5. Dr K.R. Dabur	External member, Academic Experts
6. Dr Vinita Rajput	External member, Academic Experts

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members present in the 2<sup>nd</sup> meeting of BOS and thanked them for attending the meeting. The agenda items were placed before the committee and subsequent decisions were made pertaining to the matter.

**2.01 To confirm the minutes of meeting of 1<sup>st</sup> Board of Studies meeting held on 11<sup>th</sup> September 2019**

The minutes of 1<sup>st</sup> BOS Meeting were circulated to all the members of the BOS and no comments were received. Members considered and approved the minutes as per *Annexure-I* of the agenda item.

**2.02 To report action taken on the decision made in the 1<sup>st</sup> Board of Studies meeting held on 11<sup>th</sup> September 2019**

The report of action taken on the decisions made in the 1<sup>st</sup> Board of Studies were reported and approved as per *Annexure II* of the agenda item.

**2.03 To approve the curriculum of B.Sc. (Hons.) Agriculture 2020-2024 in accordance with CBCS**

The curriculum of B.Sc (Hons.) Agriculture for the batch 2020-24 were framed keeping in mind the CBCS pattern opting the core courses, generic electives, skill enhancement, ability enhancement and discipline specific elective courses and the same was approved by the Board of Studies committee as per *Annexure III* of the agenda item.



**K.R. MANGALAM UNIVERSITY**  
**Sohna Road, Gurugram – 122103 (Haryana)**

---

**2.04 To approve the curriculum of B.Sc. (Hons.) Agriculture 2020-24 in accordance with LOCF**

The Learning Outcomes Based Curriculum Framework (LOCF) for the curriculum of B.Sc. (Hons.) Agriculture for 2020-24 batch was framed wherein the focus was on learning outcomes for undergraduate studies and was approved by the Board of Studies committee as per *Annexure IV*.

**2.05 To consider and approve the addition of open elective courses for the course curriculum of B.Sc. (Hons.) Agriculture as per CBCS**

The addition of open elective courses for the course curriculum of B.Sc. (Hons.) Agriculture as per CBCS. Open Electives refer to the subjects and topics that students can opt for in addition to their primary area of study. These offer students' greater autonomy over their curriculum, giving them the opportunity to customise it to reflect their passions and interests. The system of Open Electives also encourages cross and multidisciplinary learning. It is mandatory for undergraduate students to undertake open elective courses for two credits each before the completion of the Fourth Semester and the same was approved by the Board of Studies committee as per *Annexure V*. The decision was taken under the guidelines of university.

**2.06 To approve Disaster management as a Compulsory Course in the course structure of B.Sc. (Hons.) Agriculture from the academic year 2020**

Disaster Management-UCDM301A course was added as an ability enhancement compulsory course in the course structure of B.Sc. (Hons.) Agriculture for 2020-24 batch as per UGC guidelines-core module for undergraduate courses of all branches of higher education and the same was approved by the Board of Studies committee as per *Annexure VI*. The decision was taken under the guidelines of university.

**2.07 To approve the revised list of internal, external paper setters and evaluators for B.Sc. (Hons.) Agriculture programme**

The revised list of internal, external paper setters and evaluators for each course was discussed and approved by the board as reported in *Annexure- VII*.



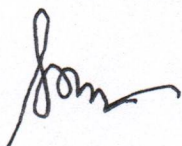
**K.R. MANGALAM UNIVERSITY**  
**Sohna Road, Gurugram – 122103 (Haryana)**

---

**Vote of Thanks:**

The Chair thanked members for their gracious presence and active participation and giving useful suggestions.

The meeting ended with vote of thanks to the Chair.



**Dr. S.S. Sharma**  
**Dean**  
**SOAS**

**DEAN**  
School of Agriculture Sciences (SOAS)  
K.R. Mangalam University  
Sohna road, Gurugram  
Haryana 122103



**Registrar**  
K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)



# K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram – 122103 (Haryana)

## MINUTES OF 3<sup>rd</sup> BOS MEETING OF SCHOOL OF AGRICULTURAL SCIENCES

3<sup>rd</sup> BOS meeting of School of Agricultural Sciences was held on June 22, 2021 at 10.00

A.M. virtually through MS Teams. Following members were present:

- |                              |                                    |
|------------------------------|------------------------------------|
| 1. Dr.S.S.Sharma             | : Internal Member, Chairperson     |
| 2. Dr. M.P.Verma             | : Internal Member, University      |
| 3. Dr.Priyanka Sharma        | : Internal Member, University      |
| 4. Dr.D.R.Chauhan            | : Member External, Academic Expert |
| 5. Dr. Khanjanchi Lal Bansal | : Member External, Academic Expert |

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members presented in the 3<sup>rd</sup> meeting of BOS and thanked them for attending the meeting. The agenda item were placed before the members of BOS and subsequent discussions and decisions were made during the meeting.

### **3.01 To confirm the minutes of meeting of 2<sup>nd</sup> Board of Studies meeting held on 4 June, 2020**

The minutes of 2<sup>nd</sup> BOS meeting were circulated to all the members of the BOS and no comments were received. Members considered and confirmed the minutes as per *Annexure-I* of the agenda item.

### **3.02 To report action taken, on the decision made in the 2<sup>nd</sup> Board of Studies meeting held on 4 June, 2020**

The report of action taken on the decision made in the 2<sup>nd</sup> Board of Studies meeting were reported and were approved as per *Annexure-II* of the agenda item.

### **3.03 To consider and approve introduction of new courses Fundamentals of Smart Agriculture (SAAG107A) and Introduction to the use of Sensors and Artificial Intelligence in agriculture (SAAG102A) to be offered in B.Sc. (Hons.) Agriculture from the academic year 2021**



# K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram – 122103 (Haryana)

As a part of developing the capacity amongst agriculture graduates of the Universities and to develop the skilled human resources to enable them to adopt smart agriculture and new technologies for sustainable and productive agriculture. As software and mobile devices are helping farmers to harvest better. With various data and information available to farmers, they can make better-informed decisions. To achieve this, two new courses were introduced in Scheme of Studies of B.Sc. (Hons.) Agriculture batch 2021-25. This increases practical skills and enhance employment opportunities to the students and it was considered and approved by the Board of Studies committee as per *Annexure-III*. For 2021-25 batch two new courses are introduced:

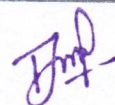
Batch Year	Semester	Subject/Paper Title	Course Code	L	P	Credits
2021-25	I	Fundamentals of Smart Agriculture	SAAG107A	2	0	2
2021-25	II	Introduction to use of Sensors and Artificial Intelligence in Agriculture	SAAG102A	1	1	2

### 3.04 To approve OBE format inclusive of course wise POs, PSOs and COs of B.Sc. (Hons.) Agriculture from the academic year 2021

The POs, PSOs and COs of each course were designed as per OBE pattern. The board was apprised of the new format of "Outcome Based Education". The board was informed about the advantages and the benefits that OBE would provide to the students and it would become easier for the faculty to assess the learning of every student in correlation with COs and POs. Members considered and approved the OBE prepared for B.Sc. Agriculture as per *Annexure- IV*.

### 3.05 To consider revision in terms of course codes and title of B.Sc. (Hons.) Agriculture programme from the academic year 2021

The course codes and titles of few courses of B.Sc. (Hons.) Agriculture 2021-24 batch were revised to bring in uniformity, to avoid any duplicity and to follow the ICAR's guidelines. Course title of the B.Sc. (Hons.) Agriculture was revised according to the





# K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram – 122103 (Haryana)

course title of ICAR. The same were reported and approved as per *Annexure-V* of the agenda item.

S. No	Course Name	Previous Code	New Course Title	New Code
1	Principles of Agricultural Meteorology	SAAG101A	Introductory Agro-Meteorology and Climate Change	SAAG117A
2	Introductory Agriculture	SAAG103A	Agricultural Heritage	SAAG121A
3	Introduction to Soil Science	SAAG109A	Fundamentals of Soil Science	SAAG120A

**3.06 To consider and approve merging of two courses Insect Morphology & Systematics and Insect Ecology & Pest Management into one as an introduction of new course Fundamentals of Entomology (SAAG119A) in first semester of B.Sc. (Hons.) Agriculture batch 2021-25**

Course Insect Morphology and Systematics (SAAG105A) of I<sup>st</sup> semester and Insect Ecology & Pest management (SAAG116A) of II<sup>nd</sup> semester were merged together as a single course and introduced as a new course Fundamentals of Entomology (SAAG119A) of 4 credits. The course structure of these two subjects was reduced into one course as per ICAR course structure. For implementing the ICAR's 5<sup>th</sup> Dean's Committee Report, there is a requirement of maintaining the minimum academic credits limit for the B.Sc. (Hons.) Agriculture programme and the same were approved by the board of studies members as per *Annexure VI*.

**3.07 To consider and approve the addition of NSS as a compulsory non-credit course in the course structure of B.Sc. (Hons.) Agriculture from the academic year 2021**

The addition of NSS as a compulsory non-credit course in the course structure of B.Sc. (Hons.) Agriculture from 2021-25 batch in respect to fulfilling all academic and ICAR norms. NSS is considered as a part of academic studies for the B.Sc. (Hons.) Agriculture. It is



# K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram – 122103 (Haryana)

offered as a course of non-credit in the first semester every year. NSS is inclusive of various activities like Blood Donation Camp, NSS Power walk & Marathon and this plays an important role in mobilizing the students in community participation, group living and sharing. The same was approved by the Board of Studies committee as per *Annexure VII*.

### 3.08 To consider and approve the deletion of open elective courses from the course curriculum of B.Sc. (Hons.) Agriculture

The deletion of open elective courses from the course curriculum of B.Sc. (Hons.) Agriculture for maintaining the academic credit limit of the B.Sc. (Hons.) Agriculture programme. As for preparation or fulfillment of requirements of ICAR, there is a prerequisite to follow ICAR's 5<sup>th</sup> Dean's Committee Report. The same was approved by the Board of studies members as per *Annexure- VIII*.

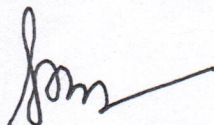
### 3.09 To approve the revised list of the internal, external paper setters and evaluators for B.Sc. (Hons.) Agriculture programme

The revised list of internal and external paper setters and evaluators for each course was discussed and approved by the board as listed in *Annexure- IX*.

#### Vote of Thanks:

The Chairperson thanked members for their gracious presence, active participation and giving useful suggestions.

The meeting ended with vote of thanks to the Chair.



**Dr. S.S. Sharma**

**Dean**

**SOAS**

**DEAN**

School of Agriculture Sciences (SOAS)  
K.R. Mangalam University  
Sohna road, Gurugram  
Haryana 122103



**Registrar**

**K.R. Mangalam University**  
Sohna Road, Gurugram, (Haryana)



# K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram – 122103 (Haryana)

## MINUTES OF 4<sup>th</sup> BOS MEETING OF SCHOOL OF AGRICULTURAL SCIENCES

4<sup>th</sup> BOS meeting of School of Agricultural Sciences was held on **May 14, 2022, at 11:00**

A.M. virtually through MS Teams. Following members were present:

- |                              |                                    |
|------------------------------|------------------------------------|
| 1. Dr.S.S.Sharma             | : Internal Member, Chairperson     |
| 2. Dr. Pankaj Gupta          | : Internal Member, University      |
| 3. Dr. Khushboo Singh        | : Internal Member, University      |
| 4. Dr. Sourabh               | : Internal Member, University      |
| 5. Dr. Sahil Mehta           | : Internal Member, University      |
| 6. Dr. Varsha Pandey         | : Internal Member, University      |
| 7. Mr. S.P. Singh            | : Internal Member, University      |
| 8. Dr.D.R.Chauhan            | : Member External, Academic Expert |
| 9. Dr. Khanjanchi Lal Bansal | : Member External, Academic Expert |

At the outset, the Chairperson, Board of Studies extended a warm welcome to all the members presented in the 4<sup>th</sup> meeting of BOS and thanked them for attending the meeting. The agenda item was placed before the members of BOS and subsequent discussions and decisions were made during the meeting.

### **4.01 To confirm the minutes of meeting of 3<sup>rd</sup> Board of Studies meeting held on 22 June 2021**

The minutes of 3<sup>rd</sup> BOS meeting were circulated to all the members of the BOS and no comments were received. Members considered and confirmed the minutes as per *Annexure-I* of the agenda item.

### **4.02 To report action taken on the decision made in the 3<sup>rd</sup> Board of Studies meeting held on 22 June 2021**

To report action taken on the recommendations made in the 3<sup>rd</sup> meeting of BOS held on 22nd June 2021. The report was presented before the BOS meeting. No action was pending, and no point was raised by any member. BOS showed satisfaction and approved the action taken report. The report on the action taken on the decision made in the 3<sup>rd</sup>



# K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram – 122103 (Haryana)

Board of Studies meeting was reported and was approved as per *Annexure-II* of the agenda item.

#### 4.03 To consider and approve the course structure of B.Sc. (Hons.) Agriculture programme for 2019-2023

The course Structure of B.Sc. (Hons.) Agriculture programme for 2019-2023 batch were discussed and approved. Members considered and approved the course scheme as per *Annexure-III*.

#### 4.04 To consider and approve the course structure of B.Sc. (Hons.) Agriculture programme for 2020-2024

The course Structure of B.Sc. (Hons.) Agriculture programme for 2019-2023 batch were discussed and approved. Members considered and approved the course scheme for B.Sc. Agriculture as per *Annexure-IV*.

#### 4.05 To consider and approve the revised course structure of B.Sc. (Hons.) Agriculture programme for 2021-2025

The course codes and titles of few courses of B.Sc. (Hons.) Agriculture 2021-24 batch were revised to bring in uniformity, to avoid any duplicity and to follow the ICAR's guidelines. Course title of the B.Sc. (Hons.) Agriculture was revised according to the course title of ICAR. The course Structure of B.Sc. (Hons.) The agriculture programme for 2021-2025 batch was discussed and approved. The same was reported and approved as per *Annexure-V* of the agenda item.

#### 4.06 To approve the NPTEL/Swayam courses adopted as MOOC courses in 3<sup>rd</sup> semester of B.Sc. (Hons.) Agriculture from academic session 2022

As per UGC guidelines regarding registration of students in MOOC Courses offered by Swaayam, EPG Pathshala, NPTEL etc. It was decided that MOOC of two credits will be offered to undergraduate students in third semester. Two identified courses to be offered in 2022 are Innovation, Buisness Models and Entrepreneurship (Offered by Swayam, Credits 2) and Introduction to Research (Offered by Swayam, Credits 2). The agenda was approved in the meeting *Annexure-VI*.



# K.R. MANGALAM UNIVERSITY

Sohna Road, Gurugram – 122103 (Haryana)

#### 4.07 To approve the syllabus of Value-Added Course on Role of biofertilizers and biopesticides in organic farming

School of Agricultural Sciences will offer Value Added Course on Role of biofertilizers and biopesticides in organic farming (Credits 2). The syllabus was placed before the committee and was approved *Annexure-VII*.

#### 4.08 To consider and approve the course structure of B.Sc. (Hons.) Agriculture programme for 2022-2026

The course structure and syllabus of B.Sc. (Hons.) Agriculture 2022-26 academic batch was presented to the BOS and the same was approved by the externals members as per Annexure *VIII*.

#### 4.09 To approve the revised list of Internal, external paper setters and evaluators for B.Sc. (Hons.) Agriculture programme for 2022-2026

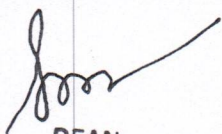
The revised list of internal and external paper setters and evaluators for each course was discussed and approved by the board as listed in *Annexure- IX*.

#### 4.10 Approval of revised syllabi of B.Sc. (Hons.) Agriculture courses

To enhance research skills of students for promotion of High-quality research, to promote Professional education and to empower students with latest technologies to enhance employability skills, the syllabus was slightly modified. The revised syllabus of B.Sc. (Hons.) Agriculture was presented and the same was approved by the Board of studies members as per *Annexure- X*.

#### Vote of Thanks:

The Chairperson thanked members for their gracious presence, active participation and giving useful suggestions. The meeting ended with a vote of thanks to the Chair.



DEAN

School of Agriculture Sciences (SOAS)  
K.R. Mangalam University  
Sohna road, Gurugram  
Haryana 122103

Dr. S.S. Sharma  
Dean  
SOAS



Registrar

K.R. Mangalam University  
Sohna Road, Gurugram, (Haryana)