



**Sri Dharmasthala Manjunatheshwara College**  
**(Autonomous), Ujire-574 240, Dakshina Kannada, Karnataka State**

*(Re-accredited by NAAC at "A" grade with CGPA 3.61 out of 4)*

# **BOS Meeting Minutes**

## **Department of**

## **Mathematics**

### **2020-21**



**Sri Dharmasthala Manjunatheshwara College**  
**(Autonomous), Ujire-574 240, Dakshina Kannada, Karnataka State**  
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**DEPARTMENT OF MATHEMATICS**  
**Proceedings of BOS meeting**

Date: 07-08-2020  
Time: 10:00am  
Venue: Department of Mathematics (Mode: Online -Google Meet Platform)

AGENDA NO	AGENDA
Agenda 1 SDMCU /MATHS-BOS// 2020-21/ 01/ 01	Reading the minutes of the previous BOS meeting and action taken report
Agenda 2 SDMCU /MATHS-BOS// 2020-21 /01/02	Revision and Approval of the syllabus  Revision and Approval of the syllabus: a) Highlighting the issues of Gender Equity, Human Values, Environment, Professional Ethics b)Highlighting the Local, National and Global issues in the courses c) Incorporating skill components
Agenda 3 SDMCU /MATHS-BOS/2020-21 /01/03	Approval for the additional Elective Papers
Agenda 4 SDMCU /MATHS-BOS/2020-21 /01/04	Approval for the Value- added Courses (Certificate Courses)
Agenda 5 SDMCU /MATHS-BOS/2020-21 /01/05	Finalizing the list of Examiners
Agenda 6	Any other matter





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SDMCU /MATHS-BOS/2020-21 /01/06	
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Members:		
Sl No	Name and address	Role
1.	Mr. B.Ganesh Nayak HOD .Dept. of Mathematics, SDMC Ujire	Chairperson
2.	Mr. Subramanya Bhat Associate Professor, University College Mangalore	University nominee
3.	Dr. Manjunath P. T, HOD of Mathematics, Govt. Science College, Chitradurga	Subject Experts
4.	Mr. Manjunathayya M. Holliyavar Assistant Professor,K.L.E. Society, S.S.M.S. College Athani- 8	Subject Expert
5.	Mr. Narashima Shenoy, Senior Principal Engineer, Collins Aerospace Industry, Bangalore	Representative from the Industry
6.	Mr. Uday , Associate Professor, St. Philomina College, Puttur	Alumnus
7.	Ms. Akshatha B., Assistant Professor, SDMC , Ujire	Member

The Chairperson welcomed the members and presented the agenda

## Agenda 1

### Reading the minutes of the previous BOS meeting held on 12-06-2019 and Action taken report

The Chairperson read out the minutes of the previous meeting and action taken report. The Following actions were taken based on the suggestions given by the members

### Suggestion 1

To Prepare Lab Manual or go along with University Mathematics association (FORMAT).

### Action Taken Report:



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As per the Board suggestion we referred the Manual Prepared by FORMAT.

## Suggestion 2

To Prepare Question banks & Model Question Papers of each semester and made it available to the students.

### Action taken report:

It was Prepared and a copy of the same is given to the students for reference.

## Suggestion 3

To conduct Bridge course to the I B.Sc students

### Action Taken report:

It was implemented in this academic year onwards.

The Board approved the agenda and action taken report

## Agenda 2

### Revision and Approval of the syllabus:

- Highlighting the issues of Gender Equity, Human Values, Environment, Professional Ethics
- Highlighting the Local, National and Global issues in the courses
- Incorporating skill components.

The draft of the syllabus developed based on the feedback collected from the stakeholders was reviewed. The members noted all the components stated in the agenda and made the following recommendations as per the suggestions in the feedback by Alumna, Students and Faculty members

- To list out the topics related Gender equity, Human values, environment, Professional ethics; highlighting the local and national and Global issues in the course; and skill component in the syllabus.

Board identified environmental, local National and global issues, incorporated in the syllabus

### The topics highlighting Local, National and global issues are

- Applied Optimization Problems
- Binary Operations
- Permutation Groups



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- Weighted Graphs
- Network Flow Problems
- Diophantine Equations
- Applications of Differential Equations
- Eulerian and Hamiltonian Paths
- Transportation and Assignment Problems
- Fermat's and Wilson's theorem
- Gradients
- Applications of Laplace Transforms
- Colourability and chromatic number
- Matrix Games

The Board approved the syllabus with the modifications suggested above

**Further the board reviewed the number of courses highlighting employability and skill enhancement**

Number of courses focusing on employability and skill development are as given below

**The no. of courses highlighting the employability is -08**

The Courses are

1. Elective 235, unit II -Machine Language
2. Elective 284, Unit I and II- Reasoning Ability
3. Paper I, Unit III – Differentiation
4. Paper II, Unit I and II- Number Theory
5. Paper III, Unit III and IV- Differential Equations
6. Paper IV, Unit III and IV- Complex Analysis
7. Paper V, Unit I and II- Vector spaces and Laplace Transforms
8. Paper VI (a), Unit III- Matrix associated with graphs
9. Paper VI (b), Unit I- Prefix codes
10. Paper VII, Unit I- Methods to solve Linear homogeneous equations
11. Paper VII, Unit II- Interpolation
12. Paper VIII (b), Unit II- Matrix Game
13. Paper VIII (b), Unit III- Transportation problems
14. Paper VI (a), Unit II- System of linear equations



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- **Number of courses focusing skill development-15**

The courses are

1. All Practical papers-6
- 2.5 Core papers and 4 Elective papers

The agenda was approved

### **Agenda 3**

#### **Approval for the additional Elective Papers:**

CBCS offers provision to broaden the elective options to students. Keeping in view provide ample opportunity to the students to select interested elective papers. The Department has developed 08 elective courses two in each semester. The draft syllabus was presented for approval.

#### **Suggestions by members**

The chairman also explained the members how in each semester 02 more new elective papers offered to the students.

The members appreciated the offering of more numbers of Elective Papers to the students and they also informed to work out the infrastructure challenges. The draft syllabus of elective courses was presented for approval.

The suggestions are incorporated in the syllabus

The agenda was approved

### **Agenda 4**

#### **Approval for the value added courses (Certificate Courses):**

In order to enhance Skill and Employability, the department has designed 2 value added courses.

The value -added courses are

1. Vedic Mathematics Part-1
2. Vedic Mathematics Part-2

- The chairman explained to the members about the importance, relevance of the two value added courses offered to the students and how it will help to the students in building their careers.



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- The members appreciated the attempt of introducing the Vedic Mathematics course which will help in competitive examinations. The chairman presented the draft syllabus for approval

The members reviewed the syllabus and the board approved the courses

## Agenda 5

### Review and approval of the list of Examiners

The draft list of examiners is presented for approval. The list is updated based on the following suggestion by the members.

The Members suggested to add some more newly joined members in the affiliated colleges by referring the gradation list of Mangalore university.

1. Deletion of the member Mr. T. Praksh Prabhu, S.D.M College Ujire, as he was superannuated

Revised list is approved

## Agenda 6

### Any other matter

- (i) The member suggested introduction of MATLAB, MINITAS Software which more helpful in the Industry for placements.
- (ii) Free online courses available now days to enhance the knowledge about the subject which can be conveyed to the students.

Meeting concluded with vote of Thanks



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Prof. B. Ganesh Nayak  
(B.O.S Chairperson)  
**B. GANESH NAYAK**  
H.O.D. of MATHEMATICS  
S.D.M. COLLEGE (AUTONOMOUS)  
UJIRE - 574240 (D.K.)



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# **BOS Meeting Minutes**

## **Department of**

## **Mathematics**

### **2020-21**





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## DEPARTMENT OF MATHEMATICS

### Proceedings of BOS meeting

**Date of meeting:** 24-04-2021  
**Time:** 10:00am  
**Venue:** Department of Mathematics (Mode: Online -Google Meet Platform)

### AGENDA OF THE MEETING

AGENDA NO	AGENDA
Agenda 1 SDMCU/MATHS-BOS/2020-21/02/01	Reading the minutes of the previous BOS meeting and Action Taken Report
Agenda 2 SDMCU /MATHS -BOS/2020-21/02/02	Review of results and brief report of the department activities
Agenda 3 SDMCU/ MATHS -BOS /2020-21/02/03	Revision/Modification of syllabus/Question paper pattern
Agenda 4 SDMCU/ MATHS -BOS/2020-21/02/04	Introduction of MOOC's related courses in the emerging areas in Elective/Value added courses
Agenda 5 SDMCU/ MATHS -BOS/2020-21/02/05	SWAYAM integrated chapters/Units
Agenda 6 SDMCU/ MATHS -BOS/2020-21/01/06	Finalizing the list of examiners
Agenda 7 SDMCU/ MATHS-BOS/2020-21/01/07	Approval for the question bank & software generated question papers for the term end exams
Agenda 8 SDMCU/ MATHS -BOS/2020-21/02/08	Any other matter

### Members Present:

Sl No	Name and address	Designation
1.	Mr. B.Ganesh Nayak HOD .Dept. of Mathematics, SDMC Ujire	Chairperson
2.	Mr. Subramanya Bhat	University nominee



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	Associate Professor, University College Mangalore	
3.	Dr. Manjunath P. T HOD of Mathematics, Govt. Science College, Chitradurga	Subject Experts
4.	Mr. Manjunathayya M. Holliyavar Assistant Professor,K.L.E. Society, S.S.M.S. College Athani- 8	Subject Expert
5.	Mr. Narashima Shenoy Senior Principal Engineer, Collins Aerospace Industry, Bangalore	Representative from the Industry
6.	Mr. Uday Associate Professor, St. Philomina College, Puttur	Alumnus
7.	Ms. Akshatha B. Assistant Professor,SDMC , Ujire	Member

Members Not Present: Nil

The Chairperson welcomed the members and presented the agenda in the meeting

## Agenda 1

### Reading the minutes of the previous BOS meeting held on 07-08-2020 and Action taken report

The Chairperson read out the minutes of the previous meeting and action taken report. The

Following actions were taken based on the suggestions given by the members

### Suggestion 1

Free Online courses available now days to enhance the knowledge about the subject which can be conveyed to the students.

### Action Taken Report:

As per suggestion of the BOS members 03 new online courses (100% changed courses) were introduced in Elective Paper and also promoted the students for taking MOOC courses.

The Board approved the agenda and action taken report.



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## Agenda 3

### Revision/Modification of syllabus/Question paper pattern:

The members reviewed the draft syllabus and made the following recommendations as per the suggestions in the feed -back by Alumni, Students and Faculty members. The following elective papers have been introduced.

1. I SEMESTER: BUSINESS ECONOMICS AND MATHEMATICS
2. II SEMESTER: INTRODUCTION OF PYTHON
3. III SEMESTER: MATHEMATICAL MODELLING

Members appreciated the initiation taken in offering more number of Elective paper options to the students

**Further the board reviewed the number of courses highlighting employability and skill enhancement**

Number of courses focusing on employability and skill development are as given below

- **Number of courses focusing employability-**

The courses are

1. Elective 235, unit II -Machine Language
2. Elective 284, Unit I and II- Reasoning Ability
3. Paper I,Unit III – Differentiation
4. Paper II,Unit I and II- Number Theory
5. Paper III,Unit III and IV- Differential Equations
6. Paper IV,Unit III and IV- Complex Analysis
7. Paper V,Unit I and II- Vector spaces and Laplace Transforms
8. Paper VI (a), Unit III- Matrix associated with graphs
9. Paper VI (b), Unit I- Prefix codes
10. Paper VII, Unit I- Methods to solve linear homogeneous equations
11. Paper VII, Unit II- Interpolation
12. Paper VIII (b), Unit II- Matrix Game
13. Paper VIII (b), Unit III- Transportation problems
14. Paper VI (a), Unit II- System of linear equations

- **Number of courses focusing skill development-14**

The courses are

1. All Practical papers-6
- 2.5 Core papers topics and 3 Elective papers

The agenda was approved



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## Agenda 4

### Introduction of MOOC's related to the emerging areas in Elective/Value added courses

In-order to encourage the students to take up online courses and to enhance learning and employability skills of the learners, the department has identified 8 MOOC courses to offer in the coming semesters. The chairman presented the list for approval.

Question Paper pattern is retained.

The Agenda was approved.

## Agenda 5

SWAYAM integrated chapters/Units:

Most of the topics in our present syllabus are in tune with the topics of online courses under SWAYAM platform, in-order to promote self-study, Chairman explained to the members regarding SWAYAM integrated chapters & self-study topics in the syllabus. The following are the self study topics

IV Semester: Unit 1 Groups (06hr)

V Semester: Paper VI (a) & Graph Theory: Unit 1 (06hr).

It is suggested to have evaluation of the self-study by the students through tests/seminars or assignments.

The agenda was approved

## Agenda 6

### Finalizing the list of examiners:

As per the suggestion by the members Dr. Vijaya Kumari, Associate Professor, Vijaya College Mulki, name was deleted as she got Superannuation.

The Board approved the agenda.





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## Agenda 7

### Approval for the question bank & software generated question papers for the term end exams:

The Chairperson & Ms. Akshatha member explained about the agenda to the members, how the software select the questions from Question Bank. But they suggested some important points towards the same.

1. Security issues of the question papers
2. Question Bank should be properly set so that while setting the question paper, distribution of the questions must be appropriate from each unit.

The agenda approved.

### SDMCU/ MATHS -BOS/2020-21/02/08:

Any other matter:

1. Members suggested giving more exposure the students to field visit, summer vacation courses, internship programmes, etc
2. MoU with respect to research collaboration, guest lectures, math related activities can be initiated.

The agenda approved.

Meeting concluded with vote of Thanks.



B. Ganesh Nayak  
(B.O.S. Chairperson)

**B. GANESH NAYAK**  
**H.O.D. of MATHEMATICS**  
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