

From

Dr. J. Ishwara Bhat  
Professor of Chemistry &  
Chairman, PG BOS in Chemistry  
Mangalore University, Mangalagangothri-574199.

Mangalagangothri

Date: 23.07.2014

To

The Registrar  
Mangalore University  
Mangalagangothri-574199.

Sir,

Sub: Submission of revised syllabi of M.Sc. course in Chemistry/Applied Chemistry/  
Organic Chemistry/Analytical Chemistry.

Ref: Letter No. MU/SYND/PG-Chem/BOS/2010-11/S1 dated 04.07.2014.

Inviting reference to the above, the PG BOS in Chemistry met on Monday, 21<sup>st</sup> July 2014  
at 11 a.m. in the Department of Chemistry. As per the agenda of the meeting the M.Sc Course  
Syllabi (Chemistry/ Applied Chemistry/ Organic Chemistry/Analytical Chemistry) was revised.  
The resolution of the meeting and the revised syllabi are enclosed herewith.

Thanking You

Yours Faithfully

  
(J.Ishwara Bhat)

**Dr. J. ISHWARA BHAT**  
PROFESSOR OF CHEMISTRY  
MANGALORE UNIVERSITY  
MANGALAGANGOTHRI - 574 199

**MANGALORE UNIVERSITY**  
**Department of Chemistry, Mangalagangothri-574199.**

Minutes of the Special meeting of PG Board Studies in Chemistry held in the Department of Chemistry, Mangalore University, Mangalagangothri on 21<sup>st</sup> July 2014 at 11.00 a.m.

**Members Present**

- |                             |          |
|-----------------------------|----------|
| 1. Prof. Vishalakshi B,     | Member   |
| 2. Prof. Boja Poojary,      | Member   |
| 3. Dr. Suresh P. Nayak,     | Member   |
| 4. Prof. K. R. Nagasundara, | Member   |
| 5. Prof. M. V. Kulkarni     | Member   |
| 6. Prof. T. V. Venkatesha   | Member   |
| 7. Prof. J. Ishwara Bhat    | Chairman |

**Member Not Present**

- |                                |        |
|--------------------------------|--------|
| 1. Prof. G. Nagendrappa        | Member |
| 2. Prof. Balakrishna Kalluraya | Member |

**Special Invitees**

1. Prof. B. Narayana
2. Dr Jagadeesha Prasad D
3. Dr. M.R Maddani

**Agenda 1:** Revision of the Syllabi of 4 semesters Choice Based Credit System M.Sc. courses in Chemistry/Applied Chemistry/Organic Chemistry/Analytical chemistry.

**Resolution:**


- It was resolved to modify the 1<sup>st</sup> semester syllabi of M.Sc courses in Chemistry/Applied Chemistry/Organic Chemistry/Analytical chemistry and to give the skeletal of the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> Semester M.Sc courses.
- It was also resolved to replace CH/AC/OC/CA 405A -Mathematics for Chemists and 405B: Biology for chemists of the 1<sup>st</sup> semester course by CH/AC/OC/CA 405-Environmental Chemistry.
- It was also resolved to replace CH/AC/OC/CA 455-Computers for Chemists of II semester by CH/AC/OC/CA 455-Physical Chemistry paper.
- It was further resolved not to offer any optional papers either in III or IV Semester Chemistry and Applied Chemistry courses.
- Fourth paper (CH 554) in IV Semester of Chemistry is to be offered by Organic Chemistry section and fourth paper (AC 554) in IV Semester Applied Chemistry is to be offered by Physical Chemistry section.
- Board has prepared the detail syllabi for the M.Sc. I Semester (Chemistry/Applied Chemistry/Organic Chemistry/Analytical Chemistry) (CH/AC/OC/CA 401 to 405) and approved.

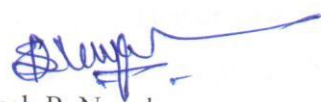
- Further the skeletal syllabi of II, III and IV Semesters have been prepared for all the courses and approved.
- Board has also prepared the detailed syllabus for all organic Chemistry papers in II, III and IV Semesters of M.Sc. in Chemistry/Applied Chemistry/Organic Chemistry and II Semester of Analytical Chemistry.
- The detailed syllabus for the remaining papers of II, III and IV Semesters of M.Sc. in Chemistry/Applied Chemistry/Analytical Chemistry is to be finalized in the next BOS meeting.


**Agenda 2:** Approval of Panel of Examiners for the evaluation of Ph.D. thesis of the following 8 candidates.

- Mrs. Chaithanya, U.,
- Ms. Sahana Mallya,
- Ms. Shobitha Shetty,
- Mr. Laxmana K.,
- Ms. Shashiprabha,
- Mr. Praveen N. K.,
- Ms. Nagaveni and
- Ms. Rahmi Prabhu

**Resolution:** EIGHT panels of Examiners for the evaluation of Ph.D. Thesis submitted by the eight candidates (as shown above) were approved.

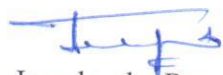
  
Prof. Vishalakshi B.  
Member

  
Dr. Suresh P. Nayak  
Member


  
Prof. M.V. Kulkarni  
Member


Special Invitees:


  
Prof. B. Narayana

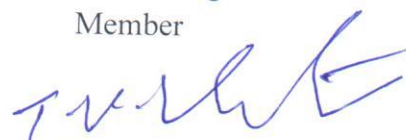
  
Dr. Jagadeesha Prasad D.

  
Dr. M. R. Maddani

  
Prof. J. Ishwara Bhat  
Chairman

  
Prof. Boja Poojary  
Member

  
Prof. K. R. Nagasundara  
Member

  
Prof. T. V. Venkatesha  
Member





Dt.23-10-2014

From:

Dr. J. Ishwara Bhat  
Professor of Chemistry &  
Chairman UG &PG BOS in Chemistry,  
Mangalore University, Mangalagangothri-574199

To:

The Registrar,  
Mangalore University,  
Mangalagangothri-574199

Sir,

Sub:- Minutes of PG BOS meeting & the submission of the M.Sc Degree syllabi, Reg-

Ref:- Letter No: MU/SYN/UG PG BOS/2014-15/S4

dt.26-7-2014

8.03.9.2014

Inviting reference to the I am enclosing herewith the minutes of the PG BOS meeting in Chemistry held on 29<sup>th</sup> September 2014 in the Department of Chemistry. BOS prepared the syllabi for 2<sup>nd</sup> to 4<sup>th</sup> Semester M.Sc., Degree in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry courses, approved and recommended the same to implement for M.Sc. degree classes in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry.

The syllabi for the 1<sup>st</sup> Semester of M.Sc., of the above four degree courses were prepared by the PG BOS in Chemistry in its special meeting held in the department of Chemistry on 21<sup>st</sup> July 2014 and the same syllabi has been implemented from August 2014. Hence, the BOS in its present meeting prepared the syllabi only for last 3 semesters keeping in view of 1<sup>st</sup> semester syllabi.

I wish to draw your kind attention to the fact that the 2<sup>nd</sup> Semester syllabi is to be implemented from January 2015. The booklet enclosed contains the syllabi of all the FOUR SEMESTERS of all the FOUR Courses.

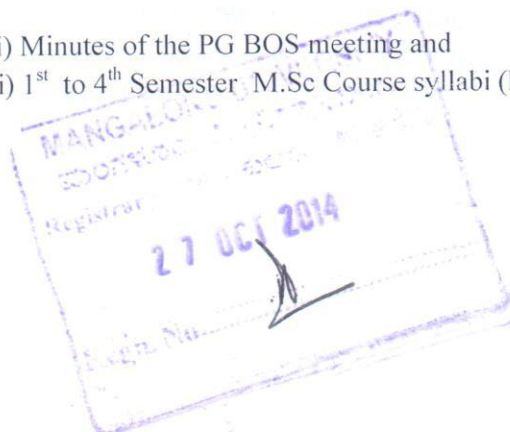
I request you kindly to arrange for the approval of these syllabi by the various bodies of the University.

Thanking You,

Yours Faithfully

  
(J. Ishwara Bhat)

- Encls:- i) Minutes of the PG BOS meeting and  
ii) 1<sup>st</sup> to 4<sup>th</sup> Semester M.Sc Course syllabi (hard and soft copy)



**Dr. J. ISHWARA BHAT**  
PROFESSOR OF CHEMISTRY  
MANGALORE UNIVERSITY  
MANGALAGANGOTHR - 574 199

**MANGALORE UNIVERSITY**  
**Department of Chemistry, Mangalagangothri-574199.**

Minutes of the meeting of PG Board Studies in Chemistry held in the Department of Chemistry, Mangalore University, Mangalagangothri on 29<sup>th</sup> September 2014 at 11.00 a.m.

**Members Present**

1. Prof. Balakrishna Kalluraya	Member
2. Prof. Vishalakshi B,	Member
3. Prof. Boja Poojary,	Member
4. Dr. Suresh P. Nayak,	Member
5. Prof. N Venkatasubba Naidu,	Member
6. Prof. P. Nagaraja	Member
7. Prof K. M. Lokanatha Rai	Member
8. Prof. Putta Swamy	Member
9. Prof. J. Ishwara Bhat	Chairman

**Special Invitees**

1. Prof. B. Narayana
2. Dr. Jagadeesha Prasad D
3. Dr. G. K. Nagaraja
4. Dr. M.R. Maddani

**Business Transacted**

**Agenda-1:** Revision of the Syllabi of M. Sc., Degree in Chemistry/Applied Chemistry /Organic Chemistry / Analytical Chemistry courses.

**Resolution:** BOS prepared the syllabi for 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> Semester M.Sc., Degree courses in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry.

**Agenda 2:** Preparation of Panel of Examiners for constitution of BOE for M.Sc., in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry course Examinations to be held in the month of May and December 2015.

**Resolution:** BOS prepared the Panel of Examiners for constitution of BOE for M.Sc., in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry course Examinations to be held in the months of May and December 2015.

**Agenda 3:** Scrutiny of question papers of 1<sup>st</sup> to 4<sup>th</sup> Semesters M.Sc., in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry courses.

**Resolution:** BOS scrutinized the question papers of 1<sup>st</sup> to 4<sup>th</sup> Semester M.Sc., Degree in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry courses and found all the question papers in accordance with the regulation.

**Agenda-4:** Scrutiny of application received from candidates for the recognition as Research Guide in Chemistry.



University has sent to the Chairman of PG BOS the following Five applications for its opinion on the possibility of considering those five Applicants as recognized Research Guides in Chemistry

1. Dr Bhanu Manjunath Narayan (Ref: MU/SYN/PG CHEM/BOS/2010-11/S.1 dt.27-3-2014)
2. Dr Anup Manikraop Jawalekar (Ref: MU/SYN/PG CHEM/BOS/2010-11/S.1 dt.27-3-2014)
3. Dr K Venkatramana Udupa (Ref: MU/SYN/PG CHEM/BOS/2010-11/S.1 dt.27-3-2014)
4. Dr. T Arulmoli (Ref: MU/SYN/PG CHEM/BOS/2010-11/S.1 dt.27-3-2014) and
5. Dr P K Vasudeva (Ref: MU/SYN/PG CHEM/BOS/2010-11/S.1 dt.11-4-2014)

**Resolution:** As per the **clause (d) of Point No.10-Recognition of Guide-** No one of the Applicants (as mentioned above) is eligible to be the recognized Guides in Chemistry.

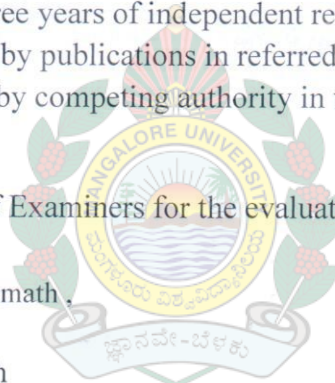
It is further resolved to request the University to enclose the clause in Clause 4 of Point No 10 as-

Existing: 5<sup>th</sup> Line: "Three years of independent research experience after the Ph.D., degree as evidenced by publications in referred/reputed journals are eligible to be recognized as guides"

May be amended as- "Three years of independent research experience after the Ph.D., degree as evidenced by publications in referred/reputed journals/ patent work published/approved by competing authority in the field are eligible to be recognized as guides

**Agenda 5:** Approval of Panel of Examiners for the evaluation of Ph.D. thesis of the following Three candidates.

- i) Mr. Jagadish N Hiremath
- ii) Ms. Divya K and
- iii) Mr. Deepu Joseph
- iv) Fr. Prakash Anil Castelino



**Resolution:** Four panels of Examiners for the evaluation of Ph.D., Thesis submitted by those four candidates (as shown above) were prepared and approved.

**Agenda 6:** Approval of the request from the Principal of Alva's College, Moodabedri for consideration.

Registrar (E) has forwarded (Ref:-MU/EXB/CR BOAE/2014-15.E.15 Dt.22-4-04) the letter of the Principal of Alva's College, Mudabedri has requested the University to consider three of its Chemistry teachers (as listed below) to recognize them as approved Internal Examiners:

**Resolution:** No one of the teachers is eligible to become Internal examiner for M.Sc., Examinations


**Agenda 7:** Any other matter referred by the University

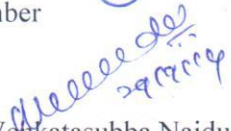
No other matters referred by the University.

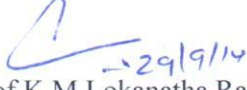
  
Balakrishna Kalluraya  
Member

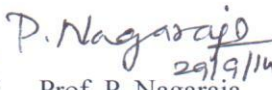
  
Prof. Vishalakshi B  
Member

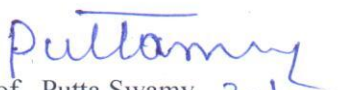
  
Prof. Boja Poojary  
Member

  
Dr. Suresh P. Nayak  
Member

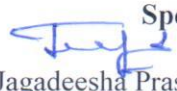
  
Prof. N. Venkatasubba Naidu  
Member

  
Prof. K.M.Lokanatha Rai  
Member

  
Prof. P. Nagaraja  
Member

  
Prof. Putta Swamy  
Member

  
Prof. B. Narayana

  
Dr. Jagadeesha Prasad D

  
Dr. G.K. Nagaraja

  
Dr. M.R. Maddani

  
Prof. J. Ishwara Bhat  
Chairman



From:

Dr. J. Ishwara Bhat  
Professor of Chemistry &  
Chairman UG &PG BOS in Chemistry,  
Mangalore University, Mangalagangothri-574199

To:

The Registrar,  
Mangalore University,  
Mangalagangothri-574199

Sir,

Sub:- Minutes of Special meeting of PG BOS in Chemistry, Reg-  
Ref:- Letter No: MU/SYN/S1/04/2014-15 dt.31-5-2016

Inviting reference to the I am enclosing herewith the minutes of the special meeting of the PG BOS in Chemistry held on 6<sup>th</sup> June 2016 at 11.00am in the Department of Chemistry. Programmes Scheme pattern, detailed syllabi of 1<sup>st</sup> and 2<sup>nd</sup> Semesters and the skeleton of 3<sup>rd</sup> and 4<sup>th</sup> Semesters and also the question paper pattern have been prepared by the BOS.

BOS has also went through the 12 modules prepared by some of the teachers in related to the development of e-content in Chemistry.

Thanking You,

Yours Faithfully

  
(J. Ishwara Bhat)

**Dr. J. ISHWARA BHAT**  
PROFESSOR OF CHEMISTRY  
MANGALORE UNIVERSITY  
MANGALAGANGOThRI - 574 199

Encls:- i) Minutes of the PG BOS meeting and the Syllabi for M.Sc. Programmes in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry, and  
(ii) 12 modules toward e-content.



**MANGALORE UNIVERSITY**  
**Department of Chemistry, Mangalagangothri-574199.**

Minutes of the Special meeting of the PG Board of Studies in Chemistry held in the Department of Chemistry, Mangalore University, Mangalagangothri on 6<sup>th</sup> June 2016 at 11.00am.  
(Ref:-No. MU/SYN/S1/04/2014-15 dt.31-5-2016)

**Members Present :**

- |                          |                                |
|--------------------------|--------------------------------|
| 1. Prof. K. M. L. Rai    | 2. Prof. N. Venkatasubba Naidu |
| 3. Prof. B. Narayana     | 4. Prof. Vishalakshi B         |
| 5. Prof. Boja Poojary    | 6. Dr. Suresh P. Nayak         |
| 7. Prof. J. Ishwara Bhat | Chairman                       |

**Member Not Present :\_** 1.Prof. Puttaswamy 2. Prof Balakrishna Kalluraya

**Special Invitees:Present**

- |  |                                    |
|--|------------------------------------|
| 1. Dr. Jagadeesh Prasad D                                  | 2. Dr. G. K. Nagaraja              |
| 4. Coordinators from the PG Colleges (M.Sc. in Chemistry): |                                    |
| i) University College, Mangalore                           | ii) Alva's College, Moodabedri     |
| iii)Vivekananda College, Puttur                            | iv) Govinda Dasa College, Suratkal |

**Special Invitees: Not Present -** Dr M R Maddani

**Business Transected**

**Agenda 1 :-** Preparation of Syllabi for M.Sc. Programmes in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry under CBCS Scheme.


**Resolutions:-** Based on the guidelines received from the University (Ref:-Registrar letter No: MU/ACC/CR.38/ CBCS (PG)/2015-16 dt.05-05-2016) PG BOS in Chemistry prepared the Syllabi for M.Sc. programmes in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry under CBCS Scheme involving Hard core, Soft core and open Elective course papers. Syllabi in detail for the 1<sup>st</sup> and 2<sup>nd</sup> semesters, which is common for all the Four Programmes, and the skeleton of the 3<sup>rd</sup> and 4<sup>th</sup> semesters course papers have been prepared and appended.

**Agenda 2:-** Preparation for e-content

**Resolution:-**BOS has gone through the draft Modules (12 numbers ) prepared by the teachers (Inorganic and Physical Chemistry Sections) and resolved to submit the same to the University for the needful. Modules for the remaining portions of the syllabi of the three papers, as stated in the letter dt.5-4-2016, will be prepared by the teachers after finishing one sitting with the external experts in the field. Name of the external expert has already been sent to University on 5<sup>th</sup> April 2016 for approval.


**Agenda3:-** Any other matter referred by the University

**Resolution:-**No matter referred by the University.


  
Prof. K.M.L. Rai  
Member

  
Prof. N. Venkat subba Naidu  
Member


  
Prof. B. Narayana  
Member

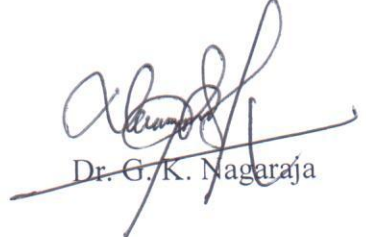
  
Prof. Vishalakshi B  
Member

  
Prof. Boja Poojary  
Member


  
Dr Suresh P Nayak  
Member

**Special Invitees**

  
Dr. Jagadeesha Prasad D

  
Dr. G.K. Nagaraja

**Coordinators from PG Centers:**

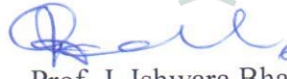
  
(Dr. K.M. Usha)  
University College,  
Mangalore

  
(Dr. Shanthi N)  
Alva's College,  
Moodabedri



  
(Savitha P.)  
Vivekananda College,  
Puttur

  
Govinda Dasa College  
Suratkal

  
Prof. J. Ishwara Bhat  
Chairman

MU/CHEM/PG-BOS/Syl/2016-17/ 4

Dt.14-10-2016

From:

Dr. J. Ishwara Bhat  
Professor of Chemistry &  
Chairman UG &PG BOS in Chemistry,  
Mangalore University, Mangalagangothri-574199

To:

The Registrar,  
Mangalore University,  
Mangalagangothri-574199

Sir,

Sub:- Minutes of meeting of PG BOS in Chemistry, Reg-  
Ref:- Letter No: No. MU/SYN/S1/04/2014-15 dt.13-9-2016

Inviting reference to the I am enclosing herewith the **minutes** of the Ordinary meeting of the PG BOS in Chemistry held on 1<sup>st</sup> October 2016 at 11.00am in the Department of Chemistry. BOS prepared and finalized the syllabi for 3<sup>rd</sup> and 4<sup>th</sup> Semesters of Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry programmes and also other business entrusted on it.

I am enclosing herewith the **Syllabi of all the four Semesters of all the four programmes** for the needful at your end.

I wish to inform you that one of the members, Prof. Balakrishna Kalluraya, Department of Chemistry, declined to sign the minutes of the meeting.

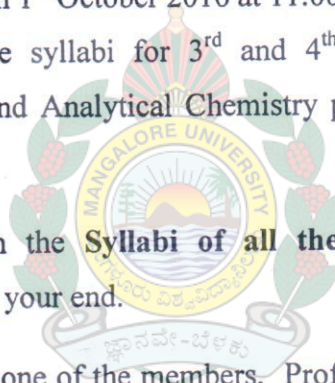
Thanking You,

Yours Faithfully



(J. Ishwara Bhat)

Dr. J. ISHWARA BHAT  
PROFESSOR OF  
MANGALORE UNIVERSITY  
MANGALAGANGOTTHRI-574199



OK

17/10/16



**MANGALORE UNIVERSITY**  
**Department of Chemistry, Mangalagangothri-574199.**

Minutes of the Regular meeting of the PG Board of Studies in Chemistry held in the Department of Chemistry, Mangalore University, Mangalagangothri on 1<sup>st</sup> October 2016 at 11.00am.  
(Ref:-No. MU/SYN/S1/04/2014-15 dt.13-9-2016)

**Members Present :**

1. Prof. K. M. Lokanath Rai
2. Prof. N. Venkatasubba Naidu
3. Prof. Balakrishna Kalluraya
4. Prof. B. Narayana
5. Prof. Vishalakshi B
6. Prof. Boja Poojary
7. Dr. Suresh P. Nayak
8. Prof. J. Ishwara Bhat

Chairman

**Member Not Present: \_**

1. Prof. Puttaswamy

**Special Invitees - Present**

1. Prof.. Jagadeesh Prasad D
2. Prof. G. K. Nagaraja
3. Dr M R Maddani
4. Coordinators from the PG Colleges (with M.Sc. degree course in Chemistry/Organic Chemistry/Analytical Chemistry):

- i) University College, Mangalore
- ii) Alva's College, Moodabedri
- iii) Vivekananda College, Puttur
- iv) Govinda Dasa College, Suratkal



**Business Transacted**

**Agenda 1:** Preparation of Panel of Examiners for constitution of BOE for M.Sc., in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry.

**Resolution:**

- i) BOS prepared the Panel of Examiners for constitution of BOE for M.Sc., in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry course examinations to be held in the months of May and December 2017.

ii) BOS also prepared the panel of examiners for constitution of BOE for Ph.D. course work Examination in Chemistry.

**Agenda 2:** Scrutiny of question papers of 1<sup>st</sup> to 4<sup>th</sup> Semesters M.Sc., in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry Courses.

**Resolution: -**

BOS scrutinized the question papers of 1<sup>st</sup> to 4<sup>th</sup> Semesters M.Sc., Degree in chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry Courses and found all the question papers are in accordance with the regulation.

**Agenda 3 :-** Preparation of Syllabi for M.Sc. Programmes in Chemistry, Applied Chemistry, Organic Chemistry and Analytical Chemistry under CBCS Scheme.

**Resolution:-**

PG BOS in Chemistry has prepared the Syllabi for 3<sup>rd</sup> and 4<sup>th</sup> semesters of M.Sc., Programmes in Chemistry, Applied Chemistry, Organic Chemistry and Applied Chemistry Based on the guidelines received from the University (Ref:-Registrar letter No: MU/ACC/CR.38/ CBCS (PG)/2015-16 dt.05-05-2016) and also the skeleton framed for the 3<sup>rd</sup> and 4<sup>th</sup> semesters course papers by PG BOS members in its meeting held on 6-6-2016.

**Agenda 4:-** Any other matter referred by the University

i) Letter from the Principal, Nehru Memorial College, Kanhangad with an endorsement from the Registrar, Mangalore University (Ref:- MU/ACC/CR1/ CBCS-PG/2016-17/A2 dt.26-9-2016) for consideration of eligibility of the students of Polymer Chemistry in B.Sc. to PG courses in Mangalore University.

**Resolution:-**


PG BOS went through the syllabi of B.Sc. Polymer Science Degree course sent by the University and resolved to consider B.Sc., Polymer chemistry of Kannur University as equivalent to B.Sc., Degree course (P C M) of our University and hence those students are eligible to take admission in Chemistry/ Applied Chemistry/ Organic Chemistry/Analytical Chemistry..


Prof B. Kalluraya  
Member

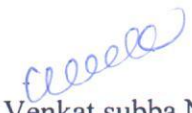
Prof. B. Narayana  
Member

Prof. Vishalakshi  
Member

Prof Boja Poojary  
Member

  
Dr Suresh P Nayak  
Member

  
Prof. K.M.L. Rai  
Member

  
Prof . N. Venkat subba Naidu  
Member

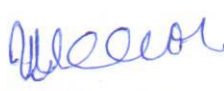
**Special Invitees**

  
Dr. Jagadeesha Prasad D

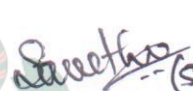
  
Dr. G. K. Nagaraja

  
Dr M R Maddani

**Coordinators from PG Centers:**

  
University College,  
Mangalore

  
Alva's College,  
Moodabedri

  
Vivekananda College,  
Puttur

  
Govinda Dasa College  
Suratkal

  
Prof. J. Ishwara Bhat  
Chairman