

Minutes of the Meeting of Board of Studies of Department of Chemistry, School of Chemical Sciences of CUK, Kalaburagi, held during 26th January, 2019 at CUK, Kalaburagi.

Venue: On 26th January 2019, Dept. of Chemistry, School of Chemical Sciences, CUK, Kadaganchi

Members present:

1. Prof. K. K. Balasubramanian, Formerly Professor, Department of Chemistry, IIT Madras
2. Prof. K. C. Kumara Swamy, Professor, School of Chemistry, University of Hyderabad
3. Prof. G. R. Naik, Dean, School of Chemical Sciences, CUK (On duty-out of station)
3. Dr. Harish Holla, CUK, BOS Chairman & Convener
5. Dr. K. Hanumae Gowd, CUK, Dept. Of Chemistry
6. Dr. N. S. Venkata Narayanan, CUK, Dept. Of Chemistry
7. Dr. Bharat Kumar, CUK, Department of Physics, Allied Department Member (On duty-out of station)
8. Dr. Deepak Samuel, CUK, Department of Physics, Allied Department Member
9. Dr. G. Janaradhan Reddy, CUK, Department of Mathematics, Allied Department Member
10. Dr. P. Duraipandi, CUK, Dept. Of Chemistry (Special Invitee)

The following points have been recommended by the BOS members:

- 1) The Inorganic Chemistry text book by Catherine Housecroft should be included as a reference and should be made available to students.
- 2) Project Allotment of MSc students should be considered strictly on the basis of merit. Allotment should be done in the month of September/October of the Academic year.
- 3) The course CYP-510 may be renamed to 'Research training & Project Report' and credit may be reduced to eight (8). This course need not come under the purview of UGC circulated plagiarism circular.
- 4) Evaluation of the CYP-510- Research training & Project Report for marks may be done as follows: Research supervisor 40%; Departmental committee including the research supervisor 60% [open seminar presentation (40%) & project report write up (20%)].
- 5) Submission format for the CYP-510- Research training & Project Report may be as follows: Title, Abstract, Introduction, Objective/s, Experimental Section, Results & Discussion, Conclusion & Future Scope and reference in specific standard format.
- 6) For NPTEL or MOOC or SWAYAM courses, only take **TOTAL MARKS** given as per NPTEL or MOOC certificate rather than strictly adhering to CUK format of 40% for the internal and 60% for end semester examination. If the student passes under the NPTEL or MOOC or SWAYAM courses then the university should consider the end result declared by the respective online agencies.
- 7) Open elective should be completed by students within first two semesters (3 credit). Students can opt for open elective either from the University or from NPTEL /SWAYAM online courses
- 8) Students can opt for foundation course from online through NPTEL or SWAYAM, if offline is not available.
- 9) Points 1 to 8 in the current minutes are applicable immediately and should be implemented starting with the current M.Sc. Ist & IInd year-Chemistry batches.
- 10) The course CY-501 Group Theory & Molecular Spectroscopy may be split into two courses, namely, CY-413 - Chemical applications of Group Theory as 2 credit course and CY-501- Molecular Spectroscopy as 4 credit course.

Minutes of Board of Studies - Department of Chemistry

Holla
26/1/19

Kumara Swamy
26/1/2019

JK
26/1/19


P. Duraipandi
Holla

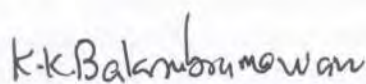
Naik
26/1/19

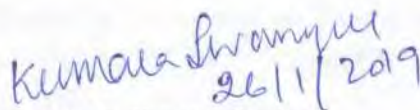
K. K. Balasubramanian
26/1/2019


G. J. Reddy


- 11) The new course CY-413 - Chemical applications of Group Theory may be introduced in the M.Sc. IInd Semester.
- 12) The course CY-501- Molecular spectroscopy (Microwave, IR, Raman, NMR, ESR and NQR) will be of 4 credit in the M.Sc.-IIIrd semester.
- 13) One more unit of Bio-inorganic Chemistry may be added in the course CY-410-Chemistry of Life, and the number of credits for the same course may be increased to 4 (four).
- 14) In the M.Sc.-IIIrd Semester elective (CY-505), individual faculties can float their choice of electives and students have freedom to choose any one according to their preference. This elective will be of only 2 credit. The number of students opting for this elective should be a minimum of five (5).
- 15) In the M.Sc.-IVth semester both the electives (CY-507 & CY-508) may be discontinued and a new course 'CY-507-Advanced Organic Chemistry' of 4 credit may be introduced.
- 16) PhD course work shall be completed by the research scholars within first two semesters as per UGC guidelines.
- 17) In the PhD course, apart from CY-601-Research Methodology course, all other courses can be opted by the PhD scholars either through online (NPTEL, SWAYAM) or offline mode.
- 18) Members of the BOS recommends to recruit a specialist physical chemistry faculty for teaching post graduation due to severe shortage of teaching physical chemistry courses.
- 19) BOS members of the opinion that Department severely lack instrument facility for teaching and research. Therefore, BOS members strongly recommend to procure essential instruments attached in the annexure-I for running MSc and PhD programme.
- 20) BOS members strongly recommend to recruit laboratory technicians & laboratory attenders at the earliest.
- 21) The detailed modified/ New course structure and content is attached as Annexure-II.

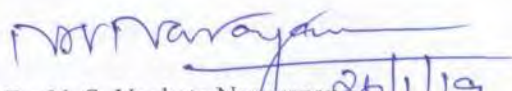

 Prof. G. R. Naik
 Central University of Karnataka



 Prof. K. K. Balasubramanian
 IIT Madras 26/1/2019

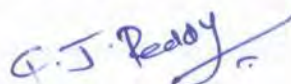

 Prof. K. C. Kumara Swamy
 University of Hyderabad

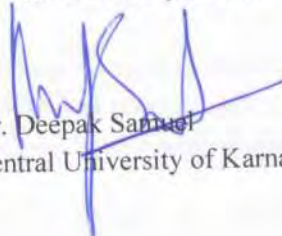

 Dr. Harish Holla
 Central University of Karnataka



 Dr. K. Hanumae Gowd
 Central University of Karnataka


 Dr. N. S. Venkata Narayanan
 Central University of Karnataka


 Dr. Bharat Kumar
 Central University of Karnataka


 Dr. G. Janardhan Reddy
 Central University of Karnataka


 Dr. Deepak Samuel
 Central University of Karnataka


 Dr. P. Duraipandi
 Central University of Karnataka

No. CUK/Acad-III/F-3693/1/2020-21/132

26 July, 2020

OFFICE ORDER

Sub : Constitution of Board of Studies in Dept. of Chemistry – reg.

Ref : 1) Recommendations of the Dean, School of Chemical Sciences dated 17.07.2020.
2) Approval of the Hon'ble Vice-Chancellor's dated 17.07.2020.

In terms of provisions of Statute 16(2) of Central University Act 2009, read with Ordinance No. 15 of CUK, Board of Studies for the Dept. of Chemistry, School of Chemical Sciences is constituted for a period of three years with the following members as per the terms and condition stipulated in the Ordinance.

Extract of the ordinance	Name of the members
Head of the Department: Chairman & Convenor	Prof. Konkallu Hanumae Gowd
All the Professors of the Department/Centre (ex-officio members).	Prof. Konkallu Hanumae Gowd
The senior most Associate Professor and the senior most Assistant Professor by rotation shall be a member of Board of Studies to be nominated by the Vice-Chancellor	Dr. Venkata Ramana Doddi Associate Professor Department of Chemistry, CUK Dr. Harish Holla (ex-Coordinator) Assistant Professor Department of Chemistry, CUK
Two faculty members nominated by the Vice Chancellor from amongst the faculty members belonging to allied/ cognate subjects.	Dr. Veeresh G. Kasabegoudar Associate Professor & HOD Department of Electronics & Communication CUK Dr. Rasmita Samal Assistant Professor Department of Life Sciences, CUK
Two subject experts, not in the service of the university, to be nominated by the Vice chancellor	Prof. B.R. Jagirdar, Department of Inorganic and Physical Chemistry (IPC) Indian Institute of Science (IISc), Bangalore-560012, India Prof. Hosahudya N. Gopi Department of Chemistry Indian Institute of Science Education and Research (IISER) Pune Pune, Maharashtra – 411008
Two experts to be invited by the Chairman in case need is felt for that persons inputs for specialized area	Academics (M.Sc/PhD course)* Dr. Pallegogu Raghavaiah Associate Professor Department of Chemistry, CUK Dr. N. S. Venkata Narayanan Assistant Professor Department of Chemistry, CUK Certificate course* Dr. Ananda Kuppanna, Ph.D. Sr.GM, API-R&D Mylan Laboratories, Hyderabad Dr. Rajesh Sonti Assistant Professor NIPER – Hyderabad.

(*Two experts only will be invited by the Chairman in case need is felt for that persons inputs for specialized area)

The members of Board of Studies are requested to serve the committee.

To
All members of the Board of Studies

Copy to:

- 1) Dean, & All Heads in School of Chemical Sciences
- 2) Office of the PVC/COE/FO
- 3) PS to Vice-Chancellor
- 4) Concerned File.

कुलसचिव/REGISTRAR

कुलसचिव / REGISTRAR
केन्द्रीय विश्वविद्यालय
Central University of Karnataka
गुलबर्गा / GULBARGA.



Date: 06-08-2020

Minutes of the online meeting of Board of Studies (BOS), Department of Chemistry, School of Chemical Sciences, Central University of Karnataka, Kalaburagi held on 06th August 2020 on Webex-platform.

The Board of Studies (BOS) members of Department of Chemistry are as follows:

1. Prof. Balaji R. Jagirdar Professor, Department of Inorganic and Physical Chemistry (IPC), Indian Institute of Science (IISc), Bangalore-560012, India.
2. Prof. H.N. Gopi, Professor, Indian Institute of Science Education and Research (IISER) Pune, Pune-411008, India.
3. Dr. Veeresh G. Kasabegoudar, Associate Professor, Department of Engineering, Central University of Karnataka, Kalaburagi-585367, India
4. Dr. Rasmita Samal, Assistant Professor, Department of Life Science, Central University of Karnataka, Kalaburagi-585367, India
5. Prof. Konkallu Hanumac Gowd, Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
6. Dr. Venkata Ramana Doddi, Associate Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
7. Dr. Pallepogu Raghavaiah, Associate Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
8. Dr. Harish Holla, Assistant Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
9. Dr. N. S. Venkata Narayanan, Assistant Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.

The following points have been recommended by the BOS members:

1. In view of current COVID-19 pandemic, the committee strongly recommends for conducting online-examination for Semester-IV students of M.Sc Chemistry, online classes for Semester-I and Semester-III students of M.Sc Chemistry and online classes for Semester-I of Ph.D Chemistry programs.
2. In view of the learning outcomes of M.Sc students, only online theory classes may be conducted for Semester-I and Semester-III courses of M.Sc Chemistry and Semester-I course PhD Chemistry. Laboratory courses may be swapped with corresponding theory courses of equal weightage credits. Accordingly, the courses recommended for semesters are as follows-



Existing-Batch of M.Sc Students:

Semester-III

No. of credits = 18

Code	Type	Title	Credits	Hours
CY-501	Core-9	Molecular Spectroscopy	4	4
CY-502	Core-10	Organometallics	1	3
CY-503	Core-11	Organic Chemistry-III	3	3
CY-504	Core-12	Spectroscopic Identification of Organic Compounds	4	4
CY-505	DSF-1	Elective-I	2	2
CY-509	FC-1[#]	Elective Foundation	2	2

Semester-IV

No. of credits = 16

Code	Type	Title	Credits	Hours
CY-507	Core-13	Advanced Organic Chemistry	4	4
CYL-506	SEC-5	Advanced Chemistry laboratory	2	4
CYP-510	SEC-6	Research training & Project report	8	16
CY-511	FC-2	Seminar (Compulsory foundation course)	2	2
Total			16	26

(Swapped courses are highlighted)

New-Batch of M.Sc Students:

Semester-I

No. of credits = 22

Code	Type	Title	Credits	Hours
PCHTCC1001	Core-1	Inorganic Chemistry - I	4	4
PCHTCC1002	Core-2	Organic Chemistry - I	4	4
PCHTCC1003	Core-3	Physical Chemistry - I	4	4
PCHTCC1004	Core-4	Introduction to Analytical Chemistry	5	5
PCHTGF1080	General Elective Course-01	ORBITAL THEORY, HYBRIDIZATION, POLAR COORDINATION OF IONS	2	2
PCHTDS3061	Discipline Specific Elective-01	Elective-I (Supramolecular chemistry)	2	2
PCHTAE3042	Ability Enhancement Compulsory Course-02	Elective Foundation (IPR, Innovations & Entrepreneurship)	2	2
Total			22	26



Semester-II

No. of credits = 24

Code	Type	Title	Credits	Hours
PCHTCC2007	Core-7	Organic Chemistry - I	4	4
PCHTCC2008	Core-8	Organic Chemistry - II	4	4
PCHTCC2009	Core-9	Physical Chemistry - I	4	4
PCHTCC2010	Core-10	Physical Chemistry - II	4	4
PCHTCC2011	Core-11	Physical Chemistry - III	4	4
PCHTCC2012	Core-12	Physical Chemistry - IV	4	4
PCHTCC2013	Core-13	Physical Chemistry - V	4	4
PCHPCC1006	Core-6	Analytical & Computational Chemistry Laboratory	2	4
Total			24	24

Semester-III

No. of credits = 20

Code	Type	Title	Credits	Hours
PCHTCC3014	Core-14	Molecular Spectroscopy	4	4
PCHTCC3015	Core-15	Spectroscopic Identification of Organic Compounds	4	4
PCHTCC3016	Core-16	Electrochemistry	4	4
PCHTCC3017	Core-17	Environmental Chemistry	4	4
PCHPAE3041	University Compulsory Course-01	Environmental Chemistry	2	4
PCHPCC1005	Core-5	Organic Chemistry Laboratory	2	4
Total			20	24

(Swapped courses are highlighted)

New-Batch of PhD Students:

Semester-I

No. of credits = 12

Code	Type	Title	Credits	Hours
PCHTCC1001	Core-1	General Chemistry - I	4	4
PCHTCC1002	Core-2	General Chemistry - II	4	4
PCHTCC1003	University Specific	Physical Chemistry - I	4	4
Total			10	18



Semester-II

No. of credits = 04

DCHPAE1041	Ability Enhancement Compulsory Course	Research preparation and Instrumentation	4	8
Total			4	8

- The committee strongly recommends for the implementation of teaching assistance ship for PhD students. Newly joined PhD students, irrespective of the nature of fellowship (CSIR-JRF/NET/SLET/UGC-Non-NET/Allied), needs to serve as teaching assistant for the period of one year (Two-semester laboratory courses). Preferably, they need to complete the teaching assistance within two-years of joining to the PhD programme.
- In view of requirement of teaching assistance certificate for some of the post-doctoral fellowships in the abroad, the committee recommends to issue transcript/bonafide certificate for the PhD students pertaining to performance of teaching assistance.
- Title of the PhD course "DCHPAE1041: Laboratory training in Chemistry" has been changed to "DCHPAE1041: Research preparation and Instrumentation".
- The committee approves for the constitution of "Guide Centric Research Advisory Committee (GCRAC)" for each PhD student. GCRAC is a three-member committee consists of Research guide (Convenor), external expert (outside the department) and Head of the Department (HOD) or nominated person by HOD. GCRAC is mandatory for each PhD student.
- Stake-holder committee may approve the vision and mission of the Department of Chemistry, Central University of Karnataka. Stake-holder committee consists of all the teachers in the department, student representative (one male and one female) and student family representatives.
- The committee approves the nomination of Dr. P. Raghavaiah for the school board of school of chemical sciences, Central University of Karnataka.
- The committee strongly recommends consideration of physical chemistry/theoretical chemistry/ Spectroscopy specialization in the future recruitment of faculties at the Department of Chemistry, Central University of Karnataka.
- The committee also recommends for the consideration of two of the following subject experts outside the Central University of Karnataka with the specialization in physical chemistry/theoretical chemistry/Spectroscopy for school board of school of chemical sciences, Central University of Karnataka.



SR. NO	Name (Specialization)	Institute	State
1	Prof. Aninda J Bhattacharyya (Electrochemistry/ Physical Chemistry)	Professor and Chair Solid State and Structural Chemistry Unit (SSCU) Indian Institute of Science (IISc), Bengaluru 560012, India	Karnataka
2	Dr. Sundaresan Athinarayanan (Materials Chemistry/ Physical Chemistry)	Professor & Chair Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bangalore-560 064, India	Karnataka
3	Prof. Susanta Mahapatra (Theoretical Chemistry)	School of Chemistry University of Hyderabad Gachibowli, Hyderabad, 500046 Telangana, India	Telangana
4	Prof. Ramakrishna V Hosur (NMR Spectroscopy)	Padma Shri, Raja Ramanna Fellow Department of Chemical Sciences Tata Institute of Fundamental Research (TIFR) Homi Bhabha Road, Colaba Mumbai 400 005, India	Maharashtra

As per Ordinance No. 30, School Board (statute 15(3): ordinarily at least one person shall be from the State where the University is located.

11. The committee approves enclosed syllabus and course code for M.Sc Chemistry and PhD chemistry courses. The approval of any modifications in course code, learning objectives, and learning outcomes pertaining to M.Sc Chemistry and PhD Chemistry courses will be sought through circulation mode.

Prof. Balaji R. Jagirdar
Department of Inorganic and Physical
Chemistry (IPC), Indian Institute of
Science (IISc), Bangalore-560012,
India.

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Indian Institute of Science Education
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Department of Inorganic and Physical
Chemistry (IPC), Indian Institute of
Science (IISc), Bangalore-560012,
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Kalaburagi-585367, India.

Dr. Venkata Ramana Doddi
Dept. Of Chemistry,
Central University of Karnataka,
Kalaburagi-585367, India.

[Handwritten Signature]

Dr. Pallepogu Raghavaiah,
Dept. Of Chemistry,
Central University of Karnataka,
Kalaburagi-585367, India

Dr. Harish Holla,
Dept. Of Chemistry,
Central University of Karnataka,
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Dr. N. S. Venkata Narayanan,
Dept. Of Chemistry,
Central University of Karnataka,
Kalaburagi-585367, India.



CUK Chemistry Department <chem.office@cuk.ac.in>

Approval: Minutes, syllabus, course code

Balaji Rao Jagirdar <jagirdar@iisc.ac.in>
To: CUK Chemistry Department <chem.office@cuk.ac.in>

Thu, Aug 13, 2020 at 6:32 PM

Dear Hanumae Gowd:

Attached, please the signed minutes of the BoS meeting.


Best wishes,
Jagirdar.

--

B. R. Jagirdar
Professor
Dept of Inorganic & Physical Chemistry
Indian Institute of Science
Bangalore 560 0 12
India
e-mail: jagirdar@iisc.ac.in
Tel.: ++(80) 2293-2825
Fax: ++(80) 2360-1552

From: CUK Chemistry Department <chem.office@cuk.ac.in>**Sent:** Thursday, August 13, 2020 1:23 PM**To:** Balaji Rao Jagirdar <jagirdar@iisc.ac.in>; hn.gopi@iiserpune.ac.in <hn.gopi@iiserpune.ac.in>; Veeresh Gangappa Kasabegoudar Associate Professor <veereshgk@cuk.ac.in>; Rasmita Samal Asst. Prof. Life Sciences <rasmitasamal@cuk.ac.in>; Konkallu Hanumae Gowd Asst. prof. Chemistry <khgowd@cuk.ac.in>; Dr Venkata Ramana Doddi <venkataraddi@cuk.ac.in>; Raghavaiah Pallepogu Asst. Prof. Chemistry <raghavaiahp@cuk.ac.in>; Harish Holla Asst. Professor <harishholla@cuk.ac.in>; Dr. N S Venkata Narayanan Asst. Prof. Chemistry <nsvenkat@cuk.ac.in>**Subject:** Approval: Minutes, syllabus, course code

External Email

 **Minutes of the BOS meeting_06082018 (1).pdf**
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CUK Chemistry Department <chem.office@cuk.ac.in>

Approval: Minutes, syllabus, course code

Gopi, Hosahudya N. <hn.gopi@iiserpune.ac.in>
To: CUK Chemistry Department <chem.office@cuk.ac.in>

Sat, Aug 15, 2020 at 11:33 PM


Dear Prof. Hanumae Gowd,

Thanks for the minutes and the syllabus. Both are looking good to me. Please find the attached signed copy of the minutes.

With Regards
H. N. Gopi

From: "CUK Chemistry Department" <chem.office@cuk.ac.in>
To: "Balaji Rao Jagirdar" <jagirdar@iisc.ac.in>, "Hosahudya N. Gopi" <hn.gopi@iiserpune.ac.in>, "Veeresh Gangappa Kasabegoudar Associate Professor" <veereshgk@cuk.ac.in>, "Rasmita Samal Asst. Prof. Life Sciences" <rasmitasamal@cuk.ac.in>, "Konkallu Hanumae Gowd Asst. prof. Chemistry" <khgowd@cuk.ac.in>, "Dr Venkata Ramana Doddi" <venkatardoddi@cuk.ac.in>, "Raghavaiah Pallepogu Asst. Prof. Chemistry" <raghavaiahp@cuk.ac.in>, "Harish Holla Asst. Professor" <harishholla@cuk.ac.in>, "Dr. N S Venkata Narayanan Asst. Prof. Chemistry" <nsvenkat@cuk.ac.in>
Sent: Thursday, August 13, 2020 1:23:57 PM
Subject: Approval: Minutes, syllabus, course code

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 Minutes of the BOS meeting_06082018_HNG.doc
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Approval: Minutes, syllabus, course code

Harish Holla Asst. Professor <harishholla@cuk.ac.in>

Mon, Aug 17, 2020 at 1:22 PM

To: CUK Chemistry Department <chem.office@cuk.ac.in>

Cc: Balaji Rao Jagirdar <jagirdar@iisc.ac.in>, hn.gopi@iiserpune.ac.in, Veeresh Gangappa Kasabegoudar Associate Professor <veereshgk@cuk.ac.in>, "Rasmita Samal Asst. Prof. Life Sciences" <rasmitasamal@cuk.ac.in>, "Konkallu Hanumae Gowd Asst. prof. Chemistry" <khgowd@cuk.ac.in>, Dr Venkata Ramana Doddi <venkataraddi@cuk.ac.in>, "Raghavaiah Pallepogu Asst. Prof. Chemistry" <raghavaiahp@cuk.ac.in>, "Dr. N S Venkata Narayanan Asst. Prof. Chemistry" <nsvenkat@cuk.ac.in>

Dear Prof. Gowd,

I have gone through the minutes of the BOS meeting. It seems to be fine. As I didn't attend the discussion, I have one query here. School Board is independent entity as per University ordinance. Selection of the members criterion is given. In this regard, whether it comes under pervue of BOS to nominate a faculty on the School Board.

This is just query to understand more about role and boundries of BOS. Nothing against Dr. Raghavaiah. Purely a technical question.

Overall I give consent to the minutes of the BOS meeting.

With regards,
Harish

[Quoted text hidden]

Pay **RIGS TO PROF. BALAJI R. JAGIRDAR**

या धारक को or Bearer

Kadaganchi, Aland Road
Gulbarga - 585 367
Phone (08477) -226710
Website: www.cuk.ac.in Email: focukgu@gmail.com

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Date: 12.10.2020

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PROF, BALAJI R GAGIRDAR IISC BANGALORE 2,000/- IFSC CODE C N R B 0 0 0 0 6 8 3 0 6 8 3 1 0 1 0 1 6 7 7 1 TOTAL 2,000/-				

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Thanking You,

Yours sincerely

A. Hiravand
Finance Officer
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Central University of Karnataka
Kalaburagi - 585367

12/10/20

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Date: 08-10-2020

Minutes of the online meeting of School Board, School of Chemical Sciences, Central University of Karnataka, Kalaburagi held on 08th October 2020 on the Google-meet-platform.

The School Board members of the School of Chemical Sciences are as follows:

1. Prof. Aninda J. Bhattacharyya, Professor and Chairman, Solid State and Structural Chemistry Unit (SSCU), Indian Institute of Science (IISc), Bangalore-560012, India.
2. Prof. R.V. Hosur, Professor, Padma shri, Department of Chemical Sciences, Tata Institute of Fundamental Research (TIFR), Mumbai 400 005, India.
3. Dr. Veeresh G. Kasabegoudar, Associate Professor, Department of Engineering, Central University of Karnataka, Kalaburagi-585367, India
4. Dr. Rasmita Samal, Assistant Professor, Department of Life Science, Central University of Karnataka, Kalaburagi-585367, India
5. Prof. Konkallu Hanumae Gowd, Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
6. Dr. Venkata Ramana Doddi, Associate Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
7. Dr. Pallepogu Raghavaiah, Associate Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
8. Dr. Harish Holla, Assistant Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.

The following points have been recommended by the School Board members:

1. The committee approves the minutes of the Board of Studies (BOS) meeting of the Department of Chemistry held on 06th August 2020 on online-platform.
2. The committee approves the online-mode of admission for M.Sc Chemistry and Ph.D. chemistry at the Department of Chemistry for the academic year 2020-21.
3. The committee has discussed and strongly recommended for hosting prestigious DST-INSPIRE/Ramalingaswamy Re-entry/Ramanujan/DBT-Wellcome Trust India Alliance faculty fellowships at the Department of Chemistry, CUK. The following points may be considered while hosting/supporting of these prestigious national fellowships-
 - a) Fellows with Inorganic Chemistry/Organic Chemistry/Physical Chemistry and with allied fields of chemistry specializations may be considered for hosting at the Department of Chemistry, CUK.



- b) Fellows may be screened by conducting an interview (or) presentation at the level of the Department of Chemistry before hosting these fellowships.
 - c) They may be mentored and associated with the permanent faculty member at the Department of Chemistry during the tenure of the fellowship.
 - d) They must be supported by infrastructural/laboratory/equipment facilities to conduct the research work at both the department and university level.
 - e) They may be considered for the teaching of some of the topics of Ph.D. chemistry, M.Sc Chemistry, and B.Sc Chemistry.
 - f) They must be supported well in establishing their independent career.
4. The committee has discussed the road map for the future development of the Department of chemistry and suggested the following points for implementation in the next 1-3 yrs for growth and development of Department of Chemistry, CUK
- a) Experts felt that current faculty strength is inadequate to teach all the areas of chemistry. The current faculties are burdened with teaching load which may not permit them to conduct high-quality research work.
 - b) The permanent faculty strength must be increased under the umbrella of a single Department of Chemistry without compartmentalization based on the different specializations of chemistry.
 - c) Efforts may be made within the rules and regulations of the central university of Karnataka to attract the best faculties. Faculties must be recruited in the major areas of chemistry topics to facilitate effective teaching of M.Sc chemistry.
 - d) The following efforts must be made to bring the visualization of the Department of chemistry at the national and international level: (i) faculties should write research grants, (ii) Ph.D./Post-Doc students should participate in various conferences and workshops, and (iii) invited lectures must be organized from the experts in the field.
 - e) In addition to the procurement of sanctioned equipment under HEFA (Higher Education Financing Agency) grant, the department must apply for the DST-FIST, K-FIST and allied research grant to strengthen the research activity at the Department of Chemistry, CUK.
 - f) Department of chemistry may consider hosting of prestigious national DST-INSPIRE/Ramalingaswamy Re-entry/Ramanujan/ DBT-Wellcome Trust India



Alliance faculty fellowships to facilitate both teaching and research activity at the Department of chemistry, CUK.

- g) Visiting professors, eminent scholars in the field of chemistry/allied subjects may be considered for teaching activity as per the rules and regulations of CUK. Such visiting professors should be physically available at CUK for one-to-one interactions with students.

Prof. Aninda J. Bhattacharyya
Solid State and Structural Chemistry
Unit (SSCU), Indian Institute of Science
(IISc), Bangalore-560012, India

Prof. R.V. Hosur,
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Kalaburagi-585367, India

No. CUK/Acad-III/F-3693/1/2020-21/41

02 Sept, 2020

OFFICE ORDER

Sub : Constitution of School Board in School of Chemical Sciences – reg.

Ref: 1) Recommendations of the Dean, School of Chemical Sciences dated 25.08.2020.
2) Approval of the Hon'ble Vice-Chancellor's dated 02.09.2020.

In terms of provisions of Statute 15(3) of Central University Act 2009, read with Ordinance No. 30 of CUK, School Board in School of Chemical Sciences is constituted for a period of three years with the following members as per the terms and condition stipulated in the Ordinance.

SNo	Extract of the Ordinance	Name of the member	Designation
I	Dean of the School	Prof. Konkallu Hanumae Gowd Dean, School of Chemical Sciences	Chairman
II	All Professors in the School	-	-
III	Heads of the Departments assigned to the School who are not Professors	-	-
IV	One Associate Professor and one Assistant Professor from each Department in the School by rotation on the basis of seniority;	Dr. Venkata Ramana Doddi Associate Prof. Dept. of Chemistry, CUK Dr. Harish Holla Assistant Prof. Dept. of Chemistry, CUK	Member
V	One representative each of the Boards of other Schools which have inter-disciplinary work with the School, to be nominated by the Vice-Chancellor on the recommendations of the School Board concerned;	Dr. Veeresh G. Kasabegoudar HOD Dept. of Electronics & CE (School of Engineering) Dr. Pallepogu Raghavaiah Associate Prof. Dept. of Chemistry (School of Under Graduate Studies) Dr. Rasmita Samal Assistant Prof. Dept. of Life Sciences CUK (School of Life Sciences)	Member
VI	Not more than two teachers from Colleges, maintained and affiliated, (wherever applicable) nominated by the VC on the recommendations of the Board of Studies; and	-	-
VII	Not more than five persons, not in the service of the University or of the College, maintained or affiliated (wherever applicable), nominated by the Academic Council for their special knowledge and expertise in the subject concerned.	Prof. Aninda J Bhattacharyya Prof. & Chair, (SSCU) IISc, Bangalore 560 012. Prof. Ramakrishna V Hosur Dept. of Chemical Sciences Tata Institute of Fundamental Research (TIFR) Mumbai – 400 005.	Expert

The members of School Board are requested to serve the School Board.

To
All members of the School Board

Copy to:

- 1) Dean, & All Heads in School of Chemical Sciences
- 2) Office of the PVC/COE/FO
- 3) PS to Vice-Chancellor
- 4) Concerned File.

कलसचिव/REGISTRAR

02/09/2020
कलसचिव/REGISTRAR
कर्नाटक केन्द्रीय विश्वविद्यालय
Central University of Karnataka
गुलबर्गा/GULBARGA.



Date: 15-04-2021

Minutes of the online meeting of Board of Studies (BOS), Department of Chemistry, School of Chemical Sciences, Central University of Karnataka, Kalaburagi held on 15th April 2021 on Google Meet Platform.

Following members attended the Board of Studies (BOS) meeting:

BOS members:

1. Prof. Balaji R. Jagirdar Professor, Department of Inorganic and Physical Chemistry (IPC), Indian Institute of Science (IISc), Bangalore-560012, India.
2. Prof. H.N. Gopi, Professor, Indian Institute of Science Education and Research (IISER) Pune, Pune-411008, India.
3. Dr. Ananda Kuppanna, Sr. GM, Mylan Laboratories Limited, Hyderabad-500034, India
4. Dr. Rajesh Sonti, National Institute of Pharmaceutical Education and Research (NIPER) Hyderabad, Balanagar, Hyderabad-500037, India
5. Dr. Veeresh G. Kasabegoudar, Associate Professor, Department of Engineering, Central University of Karnataka, Kalaburagi-585367, India
6. Dr. Rasmita Samal, Assistant Professor, Department of Life Science, Central University of Karnataka, Kalaburagi-585367, India
7. Prof. Konkallu Hanumae Gowd, Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
8. Dr. Venkata Ramana Doddi, Associate Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.

Special Invitees:

1. Prof. Basavaraj Rachappa Kerur, Controller of Examination (COE), Central University of Karnataka, Kalaburagi-585367, India.
2. Dr. Pallepogu Raghavaiah, Associate Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.

Absent:

1. Dr. Harish Holla, Assistant Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.

The following points have been recommended by the BOS members:

1. With due approval of the 25th academic council (AC) meeting of Central University of Karnataka, the Department of chemistry has expressed interest to start the certificate course the "Quality Control Chemist" in academic year-2021-22 and like to adopt the curriculum developed and approved by the National Skill Development Corporation (NSDC), Government of India (QP No. 'LFS/Q1301 NSQF Level 5).
2. The members have unanimously approved the starting of the "Quality Control Chemist" certificate course at the Department of chemistry, CUK, and recommended adopting the curriculum developed by the NSDC, Govt. of India. The members have



appreciated the initiative as the certificate course is going to generate skilled manpower for society and improves the employability of the trained candidate.

3. The members have discussed infrastructure, instruments, and teaching experts available for the course of "Quality Control Chemist" and found that the conditions are suitable for running the course at the Department of Chemistry, CUK. The members are further discussed and finalized the eligibility criteria, mode of admission, intake as per seat matrix of reservation roster, the total credits, and fee for the course.
4. **Eligibility:** M.Sc in Chemistry/Analytical Chemistry, M.Pharma, B.Sc/B.Sc. (Hons) degree with Chemistry/Analytical chemistry as one of the subject and B. Pharma from a UGC recognized University or College or foreign university (as per the AIU foreign equivalence list) with at least 50% marks aggregate (45% for OBC {NON-CREAMY LAYER}, SC/ST and Kashmiri Migrant and non-migrants Students) and who have secured a minimum of 40% (35% for OBC {NON-CREAMY LAYER} SC/ST, PWD and Kashmiri Migrant and non-migrants Students) marks in the Central Universities of Karnataka Admission Test as notified in the CUK website. Candidates with M.Sc Chemistry/Analytical Chemistry, M.Pharma, and/or having prior experience of working in the relevant industry/sector are preferred.
5. **Mode of Admission:** Two modes of admissions are proposed for the course. Eligible criteria are common for both modes. The entrance test for the admission is also common for both the course. The details of the two modes are as follows-

Regular Mode: Individual centric approach for the admission, the candidate will bear the fee expenses, the candidate has to conduct on-job-training in CUK specified industry/ organization, the candidate will be dedicatedly working to complete the course, and the candidate is eligible to apply for Govt. scholarships/fellowships.

Sponsor Mode: Nomination mode approach by the industry/organization, fee expenses will bear by industry/organization, the candidate may conduct on-job-training in the respective industry/organization, the candidate will be on deputation to complete the course, and the candidate may or may not eligible to apply for Govt. scholarships.
6. **Seat Matrix as per Reservation Roster:** Total Intake of students for both the modes is ten (10). Accordingly, the seats are distributed as per the reservation roster. The distribution of intake as per roster is as follows



Category	Percentage (%)	Regular Mode	Sponsor Mode	Supernumerary Quota	Total (Regular+Sponsor)
UR	50	3	2	HKR	1
SC	15	1	0	KM	1
ST	7.5	0	1	PWD	1
OBC	27	2	1	Sports/NCC/NSS	1
EWS	10	1	0	WDP	1
Total		7	4		5

Seats may be interchanged between regular mode and sponsored mode for the specified category

7. **Curriculum/Syllabus:** The duration of the certificate course is six (6) months. As per the adopted curriculum and syllabus designed and developed by NSDC, Govt. India, the course consists of Theory (153 Hrs), Practical (310 Hrs), and On-Job-Training (100 Hrs). The course has a nearly total of 26 Credits. On-Job-Training (OJT) will be conducted in the respective industry/sector.
8. **Fee for the course:** Certificate course "Quality Control Chemist" is job oriented and technical course that enhances the employability of the individual. Given this, the members have verified fees for various technical courses of CUK. Successful running and sustainability of the course were also considered as criteria. The total fee for the course is decided as Rs. 30,000-00 (Thirty thousand rupees only).
9. **Fees distribution:** The members of the committee have discussed and recommended for the university to consider only 15% of the fee towards the university and the remaining 85% for running the course. The remuneration for the theory lectures may be Rs.500/Hr for allied department faculties of the university and Rs.1000/Hr for the Industry/Outside university experts. The remuneration for the conducting practical may be Rs.250/Hr for allied departments and Industry/Outside university experts. The remaining fee amount may be utilized for chemicals/glassware/field visits if any.
10. The members of the meeting are further suggested the following points to be considered in future actions for successfully establishing/conducting the course-
 - i. To support the meritorious students of economically weaker sections aspiring for the course in regular mode, fellowships/financial supports towards the fee may be explored with Government/other funding bodies.
 - ii. Using the model curriculum template of NSQF, a detailed syllabus may be framed before the commencement of the course. Subsequently, the detailed syllabus may be accessed and approved by the BOS members through circulation mode.


 Controller of Examinations
 Central University of Karnataka
 Gulbarga District



- iii. The title of the course may be currently retained as such defined by the NSDC and NSQF, Govt of India. However, depending on experiments and practical components, the title of the course may be accordingly revised.
- iv. In view of the use of sophisticated chromatographic techniques such as UP-HPLC (Ultra Performance High-Pressure Liquid Chromatography) in the industry for quality assessment, the members recommended procuring these analytical instruments for the certificate course.
- v. Memorandum of Understandings (MOUs) may be made with pharmaceutical industries to establish academia and industry collaboration. A placement cell may be established to enhance job opportunities for candidates. The campus recruitment activities may be conducted in the university.

Signature:

Prof. Balaji R. Jagirdar
Department of Inorganic and Physical
Chemistry (IPC), Indian Institute of
Science (IISc), Bangalore-560012,
India.

Prof. H.N. Gopi,
Indian Institute of Science Education
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Prof. B.R. Kerur

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कर्नाटक केन्द्रीय विश्वविद्यालय
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CUK Chemistry Department <chem.office@cuk.ac.in>

Approval of minutes of BOS meeting-15042021

Balaji Rao Jagirdar <jagirdar@iisc.ac.in>
To: CUK Chemistry Department <chem.office@cuk.ac.in>

Mon, Apr 19, 2021 at 9:16 PM

Dear Prof Hanumae Gowd:

Attached, please find signed MoM for your perusal.


Best wishes,
Jagirdar.

--

B. R. Jagirdar
Professor
Dept of Inorganic & Physical Chemistry
Indian Institute of Science
Bangalore 560 0 12
India
e-mail: jagirdar@iisc.ac.in
Tel.: ++(80) 2293-2825
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From: CUK Chemistry Department <chem.office@cuk.ac.in>**Sent:** Friday, April 16, 2021 11:10 PM**To:** Balaji Rao Jagirdar <jagirdar@iisc.ac.in>; Gopi, Hosahudya N. <hn.gopi@iiserpune.ac.in>; Ananda.kuppanna@viatris.com <Ananda.kuppanna@viatris.com>; rajesh.sonti@niperhyd.ac.in <rajesh.sonti@niperhyd.ac.in>; Controller of Exam CUK <coe@cuk.ac.in>; Prof. Basavaraj Rachappa Kerur <kerurbrk@gmail.com>; Veeresh Gangappa Kasabegoudar Associate Professor <veereshgk@cuk.ac.in>; Rasmita Samal Asst. Prof. Life Sciences <rasmitasamal@cuk.ac.in>; Dr Venkata Ramana Doddi <venkatardoddi@cuk.ac.in>; Raghavaiah Pallepogu Asst. Prof. Chemistry <raghavaiahp@cuk.ac.in>; Konkallu Hanumae Gowd Asst. prof. Chemistry <khgowd@cuk.ac.in>**Subject:** Approval of minutes of BOS meeting-15042021**External Email**

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CUK Chemistry Department <chem.office@cuk.ac.in>

Approval of minutes of BOS meeting-15042021

Ananda Kuppanna <Ananda.Kuppanna@viatris.com>
To: CUK Chemistry Department <chem.office@cuk.ac.in>
Cc: "Konkallu Hanumae Gowd Asst. prof. Chemistry" <khgowd@cuk.ac.in>

Sun, Apr 18, 2021 at 8:20 AM

Approved

From: CUK Chemistry Department <chem.office@cuk.ac.in>
Sent: Friday, April 16, 2021 11:10 PM
To: Balaji Rao Jagirdar <jagirdar@iisc.ac.in>; Gopi, Hosahudya N. <hn.gopi@iiserpune.ac.in>; Ananda Kuppanna <Ananda.Kuppanna@viatris.com>; rajesh.sonti@niperhyd.ac.in; Controller of Exam CUK <coe@cuk.ac.in>; Prof. Basavaraj Rachappa Kerur <kerurbrk@gmail.com>; Veeresh Gangappa Kasabegoudar Associate Professor <veereshgk@cuk.ac.in>; Rasmita Samal Asst. Prof. Life Sciences <rasmitasamal@cuk.ac.in>; Dr Venkata Ramana Doddi <venkatardoddi@cuk.ac.in>; Raghavaiah Pallepogu Asst. Prof. Chemistry <raghavaiahp@cuk.ac.in>; Konkallu Hanumae Gowd Asst. prof. Chemistry <khgowd@cuk.ac.in>
Subject: Approval of minutes of BOS meeting-15042021

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CUK Chemistry Department <chem.office@cuk.ac.in>

Approval of minutes of BOS meeting-15042021

Gopi, Hosahudya N. <hn.gopi@iiserpune.ac.in>
To: CUK Chemistry Department <chem.office@cuk.ac.in>

Mon, Apr 19, 2021 at 11:50 AM

Dear Prof. Hanumae Gowd,


Thanks for the minutes. I am fine with the minutes of the meeting. Please find the attached signed copy of the minutes.

Best Regards

H. N. Gopi

From: "CUK Chemistry Department" <chem.office@cuk.ac.in>
To: "Balaji Rao Jagirdar" <jagirdar@iisc.ac.in>, "Hosahudya N. Gopi" <hn.gopi@iiserpune.ac.in>, "Ananda Kuppanna" <Ananda.kuppanna@viatris.com>, "rajesh sonti" <rajesh.sonti@niperhyd.ac.in>, "Controller of Exam CUK" <coe@cuk.ac.in>, "Prof. Basavaraj Rachappa Kerur" <kerurbrk@gmail.com>, "Veeresh Gangappa Kasabegoudar Associate Professor" <veereshgk@cuk.ac.in>, "Rasmita Samal Asst. Prof. Life Sciences" <rasmitasamal@cuk.ac.in>, "Dr Venkata Ramana Doddi" <venkatardoddi@cuk.ac.in>, "Raghavaiah Pallepogu Asst. Prof. Chemistry" <raghavaiahp@cuk.ac.in>, "Konkallu Hanumae Gowd, Asst. prof. Chemistry" <khgowd@cuk.ac.in>
Sent: Friday, April 16, 2021 11:10:11 PM
Subject: Approval of minutes of BOS meeting-15042021

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CUK Chemistry Department <chem.office@cuk.ac.in>

Approval of minutes of BOS meeting-15042021

Rasmita Samal Asst. Prof. Life Sciences <rasmitasamal@cuk.ac.in>
To: CUK Chemistry Department <chem.office@cuk.ac.in>

Sun, Apr 18, 2021 at 1:06 PM

Dear Sir,


Good afternoon.

Thank you for sharing the details on the BOS meeting. I agree to all the decisions made in the meeting as indicated in the minutes. Kindly consider my approval for this great move from the Department of Chemistry.
Please find the attached document.

Best regards,
Rasmita

[Quoted text hidden]

--
Dr. Rasmita Samal, PhD
Assistant Professor
Department of Life Science
School of Life Sciences
Central University of Karnataka
Kalaburagi 585311
Karnataka, INDIA

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CUK Chemistry Department <chem.office@cuk.ac.in>

Approval of minutes of BOS meeting-15042021

Rajesh Sonti <rajesh.sonti@niperhyd.ac.in>
To: chem office <chem.office@cuk.ac.in>
Cc: hanumae@gmail.com

Mon, Apr 19, 2021 at 10:20 AM


Dear CUK chem office,
Greetings.

Please find the signed copy attached.

with best regards,
Dr. Rajesh Sonti,
Department of Pharmaceutical analysis,
NIPER Hyderabad- NH 65,
Balanagar, Kukatpally industrial area,
Hyderabad, Telangana,
500037
<http://www.niperhyd.ac.in/ProfileRajeshSonti.html>

<https://pubmed.ncbi.nlm.nih.gov/?term=rajesh+sonti+>

From: "chem office" <chem.office@cuk.ac.in>
To: jagirdar@iisc.ac.in, "hn gopi" <hn.gopi@iiserpune.ac.in>, "Ananda kuppanna" <Ananda.kuppanna@viatris.com>, "Rajesh Sonti" <rajesh.sonti@niperhyd.ac.in>, coe@cuk.ac.in, kerurbrk@gmail.com, vereshgk@cuk.ac.in, rasmitasamal@cuk.ac.in, venkatardoddi@cuk.ac.in, raghavaiahp@cuk.ac.in, khgowd@cuk.ac.in
Sent: Friday, April 16, 2021 11:10:11 PM
Subject: Approval of minutes of BOS meeting-15042021
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No. CUK/Acad-III/F-3693/1/2020-21/132

26 July, 2020

OFFICE ORDER

Sub : Constitution of Board of Studies in Dept. of Chemistry – reg.

Ref: 1) Recommendations of the Dean, School of Chemical Sciences dated 17.07.2020
2) Approval of the Hon'ble Vice-Chancellor's dated 17.07.2020.

In terms of provisions of Statute 16(2) of Central University Act 2009, read with Ordinance No. 15 of CUK, Board of Studies for the Dept. of Chemistry, School of Chemical Sciences is constituted for a period of three years with the following members as per the terms and condition stipulated in the Ordinance.

Extract of the ordinance	Name of the members
Head of the Department: Chairman & Convener	Prof. Konkallu Hanumae Gowd
All the Professors of the Department/Centre (ex-officio members).	Prof. Konkallu Hanumae Gowd
The senior most Associate Professor and the senior most Assistant Professor by rotation shall be a member of Board of Studies to be nominated by the Vice-Chancellor	Dr. Venkata Ramana Doddi Associate Professor Department of Chemistry, CUK Dr. Harish Holla (ex-Coordinator) Assistant Professor Department of Chemistry, CUK
Two faculty members nominated by the Vice Chancellor from amongst the faculty members belonging to allied/ cognate subjects.	Dr. Veeresh G. Kasabegoudar Associate Professor & HOD Department of Electronics & Communication CUK Dr. Rasmitha Samal Assistant Professor Department of Life Sciences, CUK
Two subject experts, not in the service of the university, to be nominated by the Vice chancellor	Prof. B.R. Jagirdar, Department of Inorganic and Physical Chemistry (IPC) Indian Institute of Science (IISc), Bangalore-560012, India Prof. Hosahudya N. Gopi Department of Chemistry Indian Institute of Science Education and Research (IISER) Pune Pune, Maharashtra - 411008
Two experts to be invited by the Chairman in case need is felt for that persons inputs for specialized area	Academics (M.Sc/PhD course)* Dr. Pallegogu Raghavaiah Associate Professor Department of Chemistry, CUK Dr. N. S. Venkata Narayanan Assistant Professor Department of Chemistry, CUK Certificate course* Dr. Ananda Kuppanna, Ph.D. Sr.GM, API-R&D Mylan Laboratories, Hyderabad Dr. Rajesh Sonti Assistant Professor NIPER - Hyderabad.

(*Two experts only will be invited by the Chairman in case need is felt for that persons inputs for specialized area)

The members of Board of Studies are requested to serve the committee.

To
All members of the Board of Studies

Copy to:

- 1) Dean, & All Heads in School of Chemical Sciences
- 2) Office of the PVC/COE/FO
- 3) PS to Vice-Chancellor
- 4) Concerned File.

26/07/2020
कुलसचिव/REGISTRAR
कुलसचिव / REGISTRAR
केन्द्रीय विश्वविद्यालय
Central University of Karnataka
गुलबर्गा / GULBARGA.



Date: 15-07-2023

Minutes of the online meeting of Board of Studies (BOS), Department of Chemistry, School of Chemical Sciences, Central University of Karnataka, Kalaburagi held on 19th June 2023 on Google Meet-platform.

The Board of Studies (BOS) members of Department of Chemistry are as follows:

1. Prof. Balaji R. Jagirdar Professor, Department of Inorganic and Physical Chemistry (IPC), Indian Institute of Science (IISc), Bangalore-560012, India.
2. Prof. H.N. Gopi, Professor, Indian Institute of Science Education and Research (IISER) Pune, Pune-411008, India.
3. Prof. Aninda J. Bhattacharyya, Professor, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore-560012, India.
4. Prof. R. V. Hosur, Senior Professor, Department of Chemical Sciences Tata Institute of Fundamental Research (TIFR), Mumbai, India
5. Dr. Sangamesh Badiger, Director, Aurigene Discovery Technologies, Bangalore-560100, India
6. Prof. Konkallu Hanumae Gowd, Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
7. Prof. Venkata Ramana Doddi, Associate Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
8. Prof.. Pallegogu Raghavaiah, Associate Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
9. Dr. Rasmita Samal, Assistant Professor, Department of Life Science, Central University of Karnataka, Kalaburagi-585367, India.
10. Dr. Oruganti Anjaneyulu, Assistant Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.

Absent:

11. Dr. Harish Holla, Assistant Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
12. Dr. N. S. Venkata Narayanan, Assistant Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
13. Dr. P. Duraipandi, Assistant Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
14. Dr. Veeresh G. Kasabegoudar, Associate Professor, Department of Engineering, Central University of Karnataka, Kalaburagi-585367, India

The following points have been recommended by the BOS members:

1. The Dean School of Chemical Sciences has welcomed and explained the need to implement 4-years B.Sc course with a single major in chemistry as per directions of the university. The Head of the Department of Chemistry has explained the curriculum framework as per the guidelines of UGC, India.
2. The experts have raised the following concerns with respect to the newly proposed curriculum-
 - a) Content in the syllabus is heavy and only 5% of the meritorious students will cope with it. Suggested for the reduction in credits.



- b) To maintain the spirit of NEP-2020, the option should be given to study all science subjects.
 - c) Semester VIII should not have any theory courses. An option should be there for the students to do the project outside the university in other institutions.
 - d) Mathematics for Chemists course should be included in the curriculum.
3. After detailed deliberations with the faculties, other science discipline deans/HODs, and higher authorities, the following directions were received from the university-
- a) As per the UGC model curriculum framework, the 4-years B.Sc courses with a single major have at least 160 credits, and the CUK framework has 164 credits.
 - b) The additional 4-credits are necessary for the students to change their majors at the end of one year of the course. This provision should be given as per NEP-2020.
 - c) Uniform framework is being followed across the university. A common timetable will be evolved for all the 4-year NEP-2020 courses, including SEC, VAC, and AEC courses.
 - d) Option has been given for the chemistry students to study other science discipline courses: physics/mathematics/biology.
 - e) Even though two theory courses are present in semester-VIII, options there to take these courses through online/NPTEL courses. Thus, the spirit to conduct project work in other institutions has been maintained.
 - f) Mathematics for Chemists course is now included in the syllabus.
4. The curriculum framework and the syllabus are enclosed for approval.

Signature:

Prof. Balaji R. Jagirdar
Department of Inorganic and Physical
Chemistry (IPC), Indian Institute of
Science (IISc), Bangalore-560012, India.

Prof. H.N. Gopi,
Indian Institute of Science Education
and Research (IISER) Pune,
Pune-411008, India.

Prof. R. V. Hosur, Senior Professor,
Department of Chemical Sciences
Tata Institute of Fundamental Research
(TIFR), Mumbai, India.

Prof. Aninda J. Bhattacharyya, Professor,
Solid State and Structural Chemistry Unit,
Indian Institute of Science, Bangalore-
560012, India.

Dr. Sangamesh Badiger, Director,
Aurigene Discovery Technologies,
Bangalore- 560100, India

Dr. Rasmita Samal,
Department of Life Science,
Central University of Karnataka,
Kalaburagi-585367, India

Prof. Konkallu Hanumae Gowd,
Dept. Of Chemistry,
Central University of Karnataka,
Kalaburagi-585367, India.

Prof. Venkata Ramana Doddi
Dept. Of Chemistry,
Central University of Karnataka,
Kalaburagi-585367, India.

Prof. Pallegogu Raghavaiah,
Dept. Of Chemistry,
Central University of Karnataka,
Kalaburagi-585367, India.

Dr. Oruganti Anjaneyulu,
Dept. Of Chemistry,
Central University of Karnataka,
Kalaburagi-585367, India.



Date: 11-07-2022

**Minutes of the meeting of Board of Studies (BOS) and School Board,
Department of Chemistry, Central University of Karnataka, Kalaburagi**

The Board of Studies (BOS) and School Board members of Department of Chemistry, School of Chemical Sciences are as follows:

1. Prof. R.V. Hosur, Professor, Padma shri, Department of Chemical Sciences, Tata Institute of Fundamental Research (TIFR), Mumbai 400 005, India.
2. Prof. Aninda J. Bhattacharyya, Professor and Chairman, Solid State and Structural Chemistry Unit (SSCU), Indian Institute of Science (IISc), Bangalore-560012, India.
3. Prof. Balaji R. Jagirdar Professor, Department of Inorganic and Physical Chemistry (IPC), Indian Institute of Science (IISc), Bangalore-560012, India.
4. Prof. H.N. Gopi, Professor, Indian Institute of Science Education and Research (IISER) Pune, Pune-411008, India.
5. Dr. Ananda Kuppanna, Sr. GM, Mylan Laboratories Limited, Hyderabad-500034, India
6. Dr. Rajesh Sonti, National Institute of Pharmaceutical Education and Research (NIPER) Hyderabad, Balanagar, Hyderabad-500037, India
7. Dr. Veeresh G. Kasabegoudar, Associate Professor, Department of Engineering, Central University of Karnataka, Kalaburagi-585367, India
8. Dr. Rasmita Samal, Assistant Professor, Department of Life Science, Central University of Karnataka, Kalaburagi-585367, India
9. Prof. Konkallu Hanumae Gowd, Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
10. Dr. Venkata Ramana Doddi, Associate Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
11. Dr. Pallepogu Raghavaiah, Associate Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
12. Dr. Harish Holla, Assistant Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.
13. Dr. N. S. Venkata Narayanan, Assistant Professor, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.

Special Invitee:

14. Prof. P. Veera Somaiah, Visiting Faculty, Dept. Of Chemistry, Central University of Karnataka, Kalaburagi-585367, India.

The following points have been recommended by the School Board and BOS members:

1. The Dean/HOD, Department of chemistry has welcomed the School Board and the BOS members and upraised the activities undertaken by the CUK in implementing the new education policy (NEP)-2022. The members have appreciated the efforts taken



by the university and welcomed the implementation of NEP-2022 in M.Sc Chemistry and B.Sc (Physics, Chemistry) courses in the academic year-2022-23.

2. The members have discussed the following agenda points:

AGENDA-I: NSQF model evaluation/marking for certificate course

AGENDA-II: Towards NEP model research M.Sc Chemistry curriculum

AGENDA-III: Modalities to evaluate the M.Sc research component

AGENDA-IV: B.Sc (Physics, Chemistry) 4-years degree CUK-NEP model

AGENDA-V: B.Sc Generic elective and minors for other disciplin

AGENDA-VI: B.Sc Skill development course "Quality control chemist"

AGENDA-VII: B.Sc value added course "Industrial chemistry"

AGENDA-VIII: Inputs and guidance for DST-FIST research grant

3. The members have discussed the "AGENDA-I: NSQF model evaluation/marking for certificate course" and recommended the following for consideration

Course Code	Title	Theory		Skills Practical		Total	
		Internal (40%)	Endsem (60%)	Internal (40%)	Endsem (60%)	Internal (40%)	Endsem (60%)
LFS/N0301	Perform routine analysis in lab while ensuring compliance with Good Manufacturing Practices (GMP) and Good Laboratory Practices (GLP)	19	28	21	32	40	60
LFS/N0101	Maintain a healthy, safe and secure working environment in the life sciences facility	19	29	21	31	40	60
LFS/N0302	Coordinate with Supervisors and colleagues within and outside the department	19	29	21	31	40	60
LFS/N0320	To carry out quality checks in the quality control process	18	27	22	33	40	60
LFS/N0314	To carry out reporting and documentation to meet quality standards	18	27	22	33	40	60
LFS/N0103	Ensure cleanliness in the work area	18	28	22	32	40	60

4. As per NEP-2020 "The 2-year M.Sc programme may have the second year devoted entirely to research for those who have completed the 3-year Bachelor 's programme.

In view of this, the members have discussed the "AGENDA-II: Towards NEP model



research M.Sc Chemistry curriculum” and recommended the following syllabus for M.Sc Chemistry. It was agreed to have Semester-IV completely dedicated to research and accordingly recommended the syllabus

Semester-I							
Code	Type	Title	Credits	Hours	L	T	P
PCHTCC1001	Core -1	Inorganic Chemistry – I	4	4	3	1	0
PCHTCC1002	Core-2	Organic Chemistry – I	4	4	3	1	0
PCHTCC1003	Core-3	Physical Chemistry – I	4	4	3	1	0
PCHTCC1004	Core-4	Introduction to Analytical Chemistry	3	3	2	1	0
PCHTCC1005	Core-5	Mathematics for Chemistry	2	2	1	1	0
PCHPCC1006	Core-6	Organic Chemistry Laboratory	3	6	0	2	4
PCHPCC1007	Core-7	Analytical & Computational Chemistry Laboratory	3	6	0	2	4
Total			23	29	12	9	8
Semester-II							
PCHTCC2008	Core-8	Inorganic Chemistry – II	4	4	3	1	0
PCHTCC2009	Core-9	Organic Chemistry – II	4	4	3	1	0
PCHTCC2010	Core-10	Physical Chemistry – II	4	4	3	1	0
PCHTCC2011	Core-11	Chemistry of Life	4	4	3	1	0
PCHTCC2012	Core-12	Chemical applications of Group Theory	2	2	1	1	0
PCHPCC2013	Core-13	Inorganic Chemistry Laboratory	3	6	0	2	4
PCHPCC2014	Core-14	Physical Chemistry Laboratory	3	6	0	2	4
Total			24	30	13	9	8
Semester-III							
PCHTCC3015	Core-15	Molecular Spectroscopy	4	4	3	1	0
PCHTCC3016	Core-16	Spectroscopic Identification of Organic Compounds	4	4	3	1	0
PCHTCC3017	Core-17	Organometallic Chemistry	4	4	3	1	0
PCHTCC3018	Core-18	Organic Chemistry-III	4	4	3	1	0
PCHTGE3080	Generic Elective Course-01	MOOC Course (NPTEL, SWAYAM) / Other Department Elective	3	3	2	1	0
PCHPAE3041	Ability Enhancement Compulsory Course-01	Research Orientation & instrumentation	6	12	0	4	8
Total			25	31	14	9	8
Semester-IV							
PCHRDS4061	Discipline Specific Elective-04	Research training & Project report	12	24	0	6	18
Total			12	24	0	6	18

5. The members have discussed the “**AGENDA-III: Modalities of the assessment of the project work of the M.Sc. research component**”. This pertains to course Research Orientation & instrumentation (PCHPAE3041) and Research training & Project report (PCHRDS4061).

- i. The following evaluation pattern is recommended for the Research Orientation & instrumentation (PCHPAE3041)-06 credits

INTERNALS (600 Marks)			ENDSEM (120 Marks)	
Internal-I (T)	Internal-II (T)	Internal-III (P)	Endsem (T)	Endsem (P)
20	20	20	60	30
T: Theory; P-Practical;				



In this context, it is also clarified that the student allotment to the guide will be done at the end of Semester II.

- ii. The following evaluation pattern is recommended for the Research training & Project report (PCHRDS4061)-12 credits

Examination	Items	Marks
Internal	M.Sc thesis assessment committee (Three-member committee):	
	(i) Supervisor	60
	<u>External evaluation:</u>	
	(i) one faculty within the department	30
	(ii) one faculty outside the department/university	30
Total internal marks		120
End semester	All the faculties in the department are involved in the assessment	
	Presentation	90
	Viva-voce examination	90
	Total end semester marks	180

In this context, the committee has clarified that the matter of sending the students for the project outside CUK may be treated as an internal matter.

6. The members have discussed the “**AGENDA-IV: B.Sc (Physics, Chemistry) 4-years degree CUK-NEP model**”. The Dean/HOD has presented the proposed curriculum designed based on the template developed by CUK for the NEP model undergraduate courses. Upon deliberation and detailed discussion, the members have approved the enclosed curriculum. The salient features are as follows
- To include “Ethics for Science” as a value-added course in the Semester-I
 - The allotment of specialization at the end of semester-II
 - To explore possibilities of combining Semester-V B.Sc (Physics Chemistry) with Semester-I M.Sc chemistry to ease the workload of the faculties.
7. The members have discussed the “**AGENDA-V: B.Sc Generic elective and minors for other-discipline**”. The members have recommended the minors and generic electives in chemistry as in the enclosed curriculum. The members have also agreed to consider MOOCs courses (NPTEL/Swayam) to offer as generic electives.



8. The members have discussed the “**AGENDA-VI**: B.Sc Skill development course “Quality control chemist”. The members have also noted that the “Quality control chemist” certificate course is ongoing at the Department of Chemistry, CUK. They have also appreciated that consideration of these as Skill Enhancement Courses (SEC) will also ease the burden on the faculties. The members have recommended the Skill Enhancement Courses as in the enclosed curriculum.
9. The members have discussed the “**AGENDA-VII**: B.Sc value added course Industrial chemistry”. The members have recommended the following for the Value Addition Courses:
 - (i) Semester-I: Ethics in science
 - (ii) Semester-III: Industrial Chemistry (Making of soaps, candles, etc.)
 - (i) Semester-V: Industrial Chemistry (Electroplating, etc.)
10. The members have discussed the “**AGENDA-VIII**: Inputs and guidance for DST-FIST research grant”. The members have recommended applying for the DST-FIST research grant. They have further suggested including the equipments that are commonly used by all faculty members in the department.
11. The members further discussed the holistic development of chemistry and strongly recommended the recruitment of faculty in ongoing assistant professor advertisement in the area of physical chemistry/theoretical chemistry/spectroscopy.
12. The members have further discussed that strength of the faculties at the Department of chemistry, Central university of Karnataka is inadequate. Given the diverse areas in chemical sciences, the members have strongly recommended to increase the faculty strength and to add additional 4-5 faculties to Department of chemistry as soon as possible.



Signature

Prof. R.V. Hosur,
Department of Chemical Sciences,
Tata Institute of Fundamental Research (TIFR), Mumbai 400 005,
India.

Prof. Aninda J. Bhattacharyya
Solid State and Structural Chemistry Unit (SSCU), Indian Institute
of Science (IISc), Bangalore-560012, India.

Prof. Balaji R. Jagirdar
Department of Inorganic and Physical Chemistry (IPC), Indian
Institute of Science (IISc), Bangalore-560012, India.

Prof. H.N. Gopi,
Indian Institute of Science Education and Research (IISER) Pune,
Pune-411008, India.

Dr. Ananda Kuppanna,
Sr.GM, API-R&D
Mylan Laboratories Limited
Hyderabad, India

Dr. Rajesh Sonti
Assistant Professor
NIPER Hyderabad, Hyderabad

Dr. Veeresh G. Kasabegowdar,
Department of Engineering,
Central University of Karnataka, Kalaburagi-585367, India

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9/12/22, 10:48 AM

Central University of Karnataka Mail - Minutes of BOS and School Board meeting held on 11-07-2022



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Minutes of BOS and School Board meeting held on 11-07-2022

pin met <vs_puppala@rediffmail.com>
To: CUK Chemistry Department <chem.office@cuk.ac.in>

Mon, Jul 18, 2022 at 11:21 AM

Sir,
The BOS meeting minutes are approved.

Regards,

Prof.P.Veera Somaiah.

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