



B.M.S. COLLEGE OF ENGINEERING, BENGALURU

Autonomous institute, affiliated to VTU

ACADEMIC COUNCIL | MEETING # 18 | 12.08.2020 | MINUTES

MINUTES OF ONLINE (VIDEO CONFERENCE) MEETING OF ACADEMIC COUNCIL
HELD ON 12.08.2020, BMSCE AT 11.00 AM

MEMBERS PRESENT:

Dr. B. V. Ravishankar	Chairman
Prof. Satish V. Kailas	Member
Dr. S. Guruprasad	Member
Dr. Jitendra Kumar	Member
Dr. K. Rajanikanth	Member
Dr. Leena Chandran Wadia	Member
Dr. Debabrata Das	Member
Dr. G. Jagadeesh	Member
Mr. Aravind Kamath	Member
Dr. S. Muralidhara	Member
Dr. T. S. Pranesha	Member
Dr. H. S. Guruprasad	Member
Dr. S. Jayanthi	Member
Dr. Abhishek M. Appaji	Member
Dr. Mangala Keshava	Member
Dr. S. Pradeepa	Member
Dr. P. Prasanna Kumar	Member
Dr. P. Meena	Member
Dr. Rudra Naik	Member
Dr. Prashanth Dalwai	Member
Dr. Arathi R. Shankar	Member

Dr. B. Ramesh Nayak	Member
Dr. V. Umadevi	Member
Dr. M. Dakshayini	Member
Dr. B. Kanmani	Member
Dr. Veena N. Hegde	Member
Dr. C. T. Puttaswamy	Member
Dr. S. Divijendranatha Reddy	Member
Dr. K. Vijayalakshmi	Member
Dr. M. V. Murugendrappa	Member
Dr. Kalyan Raj	Member
Dr. Ranga Swamy	Member
Dr. B. N. Shubha	Member
Dr. K. Vijayakumar	Member
Dr. S. Srinivas	Member
Dr. S. Gowrishankar	Member
Dr. K.S.Vasundhara Patel	Member
Dr. Sureka Naagesh	Member
Dr. Saisha Vinjamuri	Member
Dr. Vaseem Anjum Sheriff	Invitee
Mr. Vishnudas M V, 8 th sem,	Student Representative
Dr. Samita Maitra	Member Secretary

At the outset, Principal - BMSCE and Chairman, Academic Council extended a cordial welcome to all the members/invitees, to the Eighteenth meeting of the Academic Council.

The Principal informed the members that the college has put all efforts to meet the academic requirement of students through comprehensive and latest online and remote learning methods. The feedback from stakeholders on delivery and assessment methods adopted by the institution are very encouraging. The Principal thanked the faculty and staff members for their support and cooperation in meeting timelines specified by the University.

The Principal informed that the Academic Council is re-constituted. The Principal placed on record Council's appreciation for the academic contributions made by all its previous AC members namely;

1. Dr. K. Kesavasamy, Head, TCS, Academic Interface Programme, TCS, Bengaluru
2. Dr. S. Rajagopalan, Professor and Faculty-in-charge, IIITB, Bengaluru
3. Dr.G.S.Venkatesh, Professor and PG Coordinator, VTU CPGS, VIAT, Muddenahalli



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4. Prof. Srivardhini K Jha, NS Raghavan Center for Entrepreneurial Learning, IIM, Bengaluru
5. Mr. Gadhadar Reddy, CEO/ Founder NoPo Nanotechnologies-ReBeam Inc., Bengaluru
6. Dr. M. S. Shivakumar, Former Registrar, VTU, Belagavi
7. Prof. Ramakrishna, National Law School of India University, Bengaluru
8. Dr. Leena Chandran Wadia, Senior Consultant, ORF, Mumbai

He welcomed all the new members of the Academic Council and emphasized that he looks forward to their co-operation and valuable contribution to the deliberations in the meetings of the Academic Council. All the new members were introduced to the Council. The new members are:

1. Prof Satish V. Kailas, Professor, Mechanical Engineering, IISc, Bengaluru
2. Dr. S. Guruprasad, Distinguished Scientist & Director General, DRDO (Retd.), Bengaluru
3. Dr. Jitendra Kumar, Managing Director, Bangalore Bio-Innovation Centre, Bengaluru
4. Dr. K. Rajanikanth, Former Principal, MSRIT, Bengaluru
5. Dr. Leena Chandran Wadia, Senior Consultant, ORF, Mumbai & member New Education Policy, Govt. of India
6. Dr. Debabrata Das, Professor, IIITB, Bengaluru
7. Dr. G. Jagadeesh, Professor, Dept. of Aerospace Engineering, Bengaluru
8. Mr. Aravind Kamath, Principal Consultant, Robert Bosch, Bengaluru
9. Mr. Aravind Prasad, Manager, Application Engineering Team, ROHM Semiconductors, Bengaluru
10. Dr. S. Srinivas, Faculty, Mechanical Engineering
11. Dr. Gowrishankar, Faculty, Computer Science and Engineering
12. Dr. Vasundhara Patel K.S., Faculty, Electronics & Communication Engg.
13. Dr. Sureka Nageesh, Faculty, Civil Engineering
14. Dr. Saisha Vinjamuri, Faculty, Biotechnology

The Chairman then requested the Member-Secretary to take up the agenda items for discussion and approval.

SECTION 1: ITEMS FOR CONFIRMATION

1.1 CONFIRMATION OF THE MINUTES OF SEVENTEENTH ACADEMIC COUNCIL MEETING HELD ON 20.09.2019

The minutes of the Seventeenth Academic Council meeting held on 20.09.2019 were confirmed.



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1.2 ACTION TAKEN REPORT ON THE DECISIONS OF SEVENTEENTH ACADEMIC COUNCIL MEETING

The Action Taken Report on the decisions of the Seventeenth Meeting of the Academic Council was confirmed by the Council with the following observations:

- a) The college shall ensure that the faculty with PhD qualification continue to engage in research activities and contribute to the research productivity of the college. It was also opined that increased collaborations through multidisciplinary research may be encouraged by providing necessary financial support.
- b) Mr. Aravind Kamath opined that, the students should be strongly encouraged to participate in Hackathons and hobby contests ~~etc.~~ right from their first semester. This is aimed to enthuse the students to engage in innovative activities leading to product development, Entrepreneurship, R&D and patents. This will also give them confidence to face the competitive environment of job interviews.
- c) Dr. Jitendra Kumar welcomed the establishment of Institution Innovation Council (IIC) at BMSCE as per the guidelines of MHRD. Through the innovation club, the students should be encouraged to engage in innovative and creative activities even from their early days at the campus.

Dr. Jitendra Kumar also suggested to establish Bio-incubation facility at the college. He also offered to extend his full support in this regard.

- d) The IIC may work in tandem with BMS Law College in developing patent portfolio.

While on the subject, the Council opined that, IIC should have multi-facet collaboration, interdisciplinary patenting and more startup activities.

The Principal informed that the Management has approved extending grants to young faculty of various disciplines to support their research ideas/proposals with thrust on societal betterment. The management aims to integrate societal concerns into research. The Principal also informed that, incentives provided for the faculty members who publish their research papers with h-Index in web of science (Journals citation reports).

SECTION 2: ITEMS FOR INFORMATION

2.1 STANDING OF BMSCE IN NIRF RANKING 2020

The Principal informed the Council that, B.M.S. College of Engineering have been ranked 73rd amongst premier institutes like IISc, IITs, IISERs, NITs and top Engineering Colleges of the Country in NIRF India Ranking – 2020.



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The congratulatory message from **Shri Sanjay Dhotre**, Union Minister of State for Human Resource Development, Communications and Electronics & Information Technology, Government of India was received by the Institution on 11.06.2020 regarding institutional achievement in MHRD-NIRF 2020.

The Council appreciated the efforts put-forth by all the stakeholders in achieving the success. Further, they opined that, NIRF Ranking considers IITs and NITs across the countries which are funded by the Central/State Government for establishing resources creating more opportunities for students. In spite of that, being a private Engineering college, BMSCE has accomplished in most of the parameters set by the NIRF. Further, the council felt that, with this long legacy of being premier institution in the Country, BMSCE has the potential to go further up in the ranking.

The Principal informed the members that the College has been encouraging the faculty to focus more on research activities like publishing papers in quality Journals, getting external funding, fetching more consultancy work and Patent. The Principal further informed that mandating the faculty to come out with good Research paper with higher h-index has resulted in increased publications in quality journals. Engaging research mentor to oversee the R&D activities has enabled creation of research clusters and increased interdisciplinary research accomplishments.

While on the subject, the Council members desired to see the detailed metric wise analysis of the institutional ranking. Accordingly, the statement showing the detailed metric wise analysis for the past three years is provided in **Annexure - I**.

2.2 ACCREDITATION STATUS OF UNDERGRADUATE AND POSTGRADUATE PROGRAMS

The Council noted the status of accreditation of both UG and PG programs. Further, the following opinions were shared.

1. To have a feasibility study of various M.Tech Programmes being offered with specific reference research and quality outcomes. It is aimed to assess the relevance of the domain/stream, in-line with the current technological changes.
2. With the Engineering institutes across the spectrum finding it difficult place students with Master Degree, the college shall further strengthen its placement strategies with regards to PG graduates.

2.3 REPORT ON ONLINE CONDUCTION OF CLASSES, QUIZZES, TESTS, PROJECT REVIEW AND EVALUATION

The Dean Academic briefed about the various academic activities conducted online during the pandemic period as follows:

- Online classes conducted using platforms like WebEx, Google Classroom, Zoom, Goto-Meeting etc.



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- Laboratory sessions were video recorded by the instructor/course teacher and shared with students.
- BMSCE acquired licenses to sponsor the students to take courses through Coursera (5000 licenses), edX (5000 Coupons), Future Learn (free digital upgrade), Udemy (coupons), etc. to supplement the teaching.
- MHRD Virtual labs/ NPTEL/Swayam platforms were also used to complement the online teaching.
- e-Library resources were also made available in the college website.
- Faculty Hosted Webinars, Workshops, FDPs & Placement training.
- 60% of the syllabus was covered through online mode of teaching (since lockdown).
- **Online CIE** for UG and PG students were conducted successfully using Learning Management system (Google classroom). CIE were conducted by preparing 3 sets of question paper for UG and 2 sets of question paper for PG. The papers were assigned to students in randomized manner to ensure ethics.
- **Project work evaluation** (UG/PG) was done for the Final year students.
- PhD Research scholar comprehensive viva and PhD defense, open seminars were conducted online.
- Faculty maintained substantive contact with students on a regular basis.

The Council noted the effective execution of online conduction of various academic activities during the pandemic period. The Council appreciated all the teaching fraternity of BMSCE for their efforts.

2.4 BOARD OF STUDIES (BOS) MEETINGS HELD FROM OCTOBER 2019 TILL DATE

The date(s) of various departments/clusters BOS meetings for the period from October 2019 till date was noted by the Council. The copy of the BOS minutes is provided at Annexure-II.

SECTION 3: ITEMS FOR RATIFICATION / APPROVAL

3.1 MODE OF CONDUCTION OF EXAMINATION FOR STUDENTS OF UG AND PG PROGRAMS (LOWER & FINAL SEMESTERS)

Intermediate Semester:

The Controller of Examinations informed the Council that, the students of Intermediate semesters of UG and PG programs are assessed for the current semester based on 50% CIE of the current semester and 50% SEE of the previous semester as per the directives from the University.



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Final Semester:

- Online preparatory classes for Final semester of both UG and PG will be held from 01.08.2020 to 15.08.2020. (The attendance is optional).
- The Final semester UG, PG project evaluation will be done online. The students are suggested to be in contact with department for the detailed schedule.
- Online semester end theory examination (proctored) for Final semester UG and PG students to commence from 17.08.2020.
- In order to take the online Semester End theory Examination, all the Final semester students of UG and PG shall make arrangement for a laptop with web camera, microphone and OS of windows 8 and above.
- The examination registration form for VIII semester B.E., IV semester M.Tech. and IV semester MBA will be made available on the department portals for online submission. Students are suggested to keep visiting the portals for further details.
- If a student is unable take up the online examination (due to connectivity or any other technical issues beyond their control), he/she has the provision to take the examination in-person after the college resumes. In this case, the CIE earned by the student during the current even semester shall remain valid. Students will not be given 'F' grade for not appearing in the online examination due to connectivity issue which is beyond the control of the student to rectify.

The University (VTU) Circulars and Special regulations w.r.t. conduction of Examination is provided in **Annexure-III**.

The Council noted the above and ratified the same.

Further, the ratified mode of conduction of online examination will be submitted to the BOG-Chairman for his orders. The same shall be communicated to the University for Information.

3.2 SUPPLEMENTARY SEMESTER 2019-20 FOR BOTH UG & PG PROGRAMS

The Controller of Examinations submitted the following with regards to conduction of Supplementary semester for the AY 2019-20:

- The supplementary semester classes for the Academic Year 2019-20 conducted from 07.08.2020 to 19.09.2020. The students of all semesters having backlogs may also re-register.
- The regular semester students also permitted to register for supplementary semester on 26.08.2020. The duration of the supplementary semester is maintained for 8 weeks.
- For regular students who are writing Online SEE commencing from 17.08.2020 may also register for the Supplementary semester on 26.08.2020 if they are not sure about clearing the registered courses for the even semester of 2019-20 only. To ensure that the academic standard is maintained, the number of online



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instruction classes for these students will be maintained at par with the required duration of 8 weeks of supplementary semester.

- The Supplementary semester end examination for Final Semester is planned to conduct in online mode after the last working day of Supplementary Semester (which is 19.09.2020) only on approval from the University. However, the Supplementary Semester End examination for intermediate semesters will be conducted in off-line mode as and when the college resumes.
- The SEE for any re-registered course (of lower semester other than the Final semester courses) by the Final semester students (BE, M.Tech., MBA) taken during the regular Even Semester of 2019-20, will be conducted along with the Supplementary Semester End Examination and not during the online SEE to start from 17.08.2020.
- After the announcement of grades (considering the present semester CIE 50% and previous SEE 50% as per VTU circular dated 31.07.2020 for the intermediate semester, if any student fails in any course he/she may register for the Supplementary semester on or before 26.08.2020. The number of online instruction classes for these students will be maintained at par with the required duration of 8 weeks of supplementary semester.

The Council noted and ratified the online mode of conduction of supplementary semester classes.

3.3 SCHEME AND SYLLABUS FOR UG V AND VI SEMESTER COURSES AND REVISED SCHEME FOR MBA AND MCA PROGRAMS FROM THE ACADEMIC YEAR 2020-21

The HODs of UG and PG programs presented briefly various curriculum components. The PPTs presented is provided in **Annexure –IV**.

The Council approved the scheme and syllabus of UG (V and VI semester) and PG (M.Tech., MBA and MCA) programs with the following observations:

1. Elective courses should be floated based on the modern technology concepts.
2. Lay emphasis on Soft skill/entrepreneurship/communication skills courses both in UG and PG programs.
3. More domain specific core courses shall be offered w.r.t. M.Tech. in Power Electronics.
4. Explore possibility of including the Course on “Optical communication and 5G core network” in the UG (B.E.) EC.
5. B.E. Electronics & Telecommunication Engg. to have “Mobile computing” as core course.



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6. **MCA:** Course like “Cloud computing and development” shall be introduced as core course.
7. **MBA:** Concepts like “Business simulation” shall be a part of teaching methodology.

Mr. Vishnudas M. V., student representative shared the following opinion w.r.t. the UG revised curriculum.

He opined that the concept of interdisciplinary project will enhance the quality of student projects. The concept of Open Elective offered from 6th Semester will enable the students to learn new concepts out of their domain.

Mr. Vishnudas thanked BMSCE for imparting quality technical and wholesome education in the field of Engineering and Technology and bringing out the best in every student and being responsible for his/her overall development.

3.4 CHANGES IN NOMENCLATURE FOR THE B.E. PROGRAM - MEDICAL ELECTRONICS

The council noted the change in nomenclature of UG - B.E. in Medical Electronics to UG B.E. in Medical Electronics Engineering effective from the academic year 2020-21 (Ref: No. VTU/BGV/Aca/A-9/2019-20/378). The VTU letter dated 03.06.2020 is provided in **Annexure V**.

3.5 MODE OF CONDUCTION OF CLASSES AND EXAMINATION FOR THE B.ARCH (AUTS) PROGRAM AND PARALLEL AUTS BATCH FOR AUGUST 2020

Dr. Vaseem Anjum Sheriff, Professor, BMS College of Architecture briefed about the mode of conduction of classes and examination as below:

CONDUCTION OF CLASSES:

Classes were conducted separately, for three 6th semester students (Parallel AUTS batch) to help them complete their B.Arch. program in AUTS Scheme at BMSCE as the current VI Semester is under VTU Scheme at BMSCA. This was done to enable vertical progression for the students in order to help them complete the B.Arch. program.

As per the directives from BoS - BMSCE, VTU and COA classes for the Parallel (AUTS) VI Semester batch students and the regular VIII Semester batch students were conducted in blended offline-online mode.

In the online mode, the classes were conducted on Microsoft Teams. CIE including Tests, Quizzes, Reviews and Assignments were also conducted on Microsoft Teams.

The Council noted and ratified the same.



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CONDUCTION OF EXAMINATION:

Approval is sought for conducting 10th, 8th and 6th semester examinations for B.Arch. AUTS program revised as per directives of COE- BMSCE, VTU and COA.

10th Semester B. Arch. (AUTS) Program			
Course Code	Course Title	SEE	SEE August 2020 modified as per: a. VTU/PS/2020-21/1188 dt. 10 th July 2020 b. VTU/PS/2020-21/1386 dt. 24-07-2020 c. VTU/BGM/Reg(E)/PS/2020-2020/298 d. VTU/PS/2020-21/1433 dated 29th July 2020 e. VTU/BGM/Reg(E)/PS/2020-2021/300dt 31 July 2020 f. Advisory from Council of Architecture Ref.No. CA/01/2020 dated July 22, 2020
09ATXDCPTR	Professional Training II	Viva-voce	Viva-voce to be conducted online
8th Semester B. Arch. (AUTS) Program			
12AT8DCADP	Architectural Design Project	Viva-voce	Viva-voce to be conducted online for registered and re-registered candidates.
09AT8IMCOL	Constitutional Law	Theory Exam	Based on CIE and previous semester performance as per the prescribed weightage. (VTU/BGM/Reg(E)/PS/2020-2020/298)
09AT8DCSERS	Earthquake Resistant Structures	Theory Exam	
09AT8IEELE	Elective II	Viva-voce	Viva-voce to be conducted online for registered and re-registered candidates.
6th Semester B. Arch. Program - (Parallel AUTS batch)			
12AT6DCARD	Architectural Design - VI	Viva-voce	Viva-voce to be conducted online for registered and re-registered candidates.
09AT6DCBCM	Building Construction & Materials -VI	Theory Exam	Based on CIE and previous semester performance as per the prescribed weightage. (VTU/BGM/Reg(E)/PS/2020-2020/298)
09AT6DCWDG	Working Drawing	Viva-voce	
09AT6DCSOC	Sociology and Economics	Theory Exam	Based on CIE and previous semester performance as per the prescribed weightage. (VTU/BGM/Reg(E)/PS/2020-2020/298)
09AT6DCSTR	Structures - VI	Theory Exam	
09AT6DCSER	Acoustics	Theory Exam	
09AT6IMPDC	Personality Development and Communicating Skills	Theory Exam	

The Council approved the change in the mode of conduction of examination for 10th, 8th and 6th semester examinations for B.Arch. AUTS program.



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3.6 LIST OF STUDENTS CANCELLED THEIR ADMISSION FROM BACHELOR OF ENGINEERING PROGRAM

The Council ratified the list of students who have cancelled their admissions for B.E. programs for the academic year 2019-20 (since October 2019 till date).

SNo	Dept.	USN	Name of the Candidate	Date of Cancellation	Sem
1	BT	1BM19BT018	Hariharan Agathian	01.06.2020	II Sem
2	CS	1BM13CS096	Shivam Dubey	16.11.2019	III Sem
3	CS	1BM18CS107	Shubham Kumar	29.02.2020	IV Sem
4	CS	1BM18CS056	Mudunuri Badari Narayana Raju	27.07.2020	II Sem
5	CV	1BM16CV072	Rahul Reddy Seelam	03.10.2019	II Sem
6	CV	1BM16CV087	Shashank C.	15.10.2019	II Sem
7	CV	1BM18CV065	Karthik C. Shekar	25.10.2019	II Sem
8	CV	1BM18CV022	Bandlapalli Charan Reddy	07.11.2019	II Sem
9	CV	1BM18CV175	Thokchom Hariom Singh	13.02.2020	I Sem
10	CV	1BM19CV148	Spoorthi N.	30.07.2020	I Sem
11	EC	1BM17EC112	Syed Sulaiman	03.10.2019	II Sem
12	EE	1BM14EE023	Mahesh	03.10.2019	VI Sem
13	EE	1BM17EE075	Tarun S	27.12.2019	III Sem
14	EIE	1BM18EI002	Aashrith G	28.01.2020	I Sem
15	IM	1BM16IM055	Veeresh Wali	22.10.2019	IV Sem
16	IS	1BM15IS023	Hareesh Saravanan	16.06.2020	IV Sem
17	ME	1BM17ME062	Kaushik	14.11.2019	III Sem
18	ML	1BM18ML015	Dhany P	16.10.2019	II Sem
19	ML	1BM18ML022	H B Arpitha	16.10.2019	II Sem
20	TE	1BM18TE019	Guruprasad Suresh Balehosur	13.12.2019	II Sem
21	MBA	1BM18MBA16	Harshitha H	25-11-2019	II Sem

3.7 LIST OF STUDENTS PERMITTED TEMPORARY WITHDRAWAL

The list of students permitted for temporary withdrawal from the program for the academic year 2019-20 (since October 2019 till date) is placed for ratification.

SNo	USN	Name of the Student	Date of issuing Temporary Withdrawal	UG/PG	Duration
1	1BM17IS004	ADITYA	18.10.2019	UG	One semester
2	1BM16EC029	CHANDRAKANT G MINAJIGI	31.10.2019	UG	Four semesters
3	1BM15AT073	RAHUL JAIN	26.11.2019	UG	One semester



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4	IBM18IM045	SALONI SINGH	26.11.2019	UG	One semester
5	IBM15IS099	SHARLIN SANJID	28.11.2019	UG	One semester
6	IBM16CS111	SUNETHRA A.V.	16.12.2019	UG	One semester
7	IBM17EE022	SWATHI S.	15.05.2020	UG	Two semesters
8	IBM17EE022	INDIRA B.R.	15.05.2020	UG	Two semesters
9	IBM19TE404	SYED MOHAMMED MUZAMMIL	15.05.2020	UG	Two semesters
10	IBM18CS133	GOWRI MENON	23.06.2020	UG	Two semesters
11	IBM18CS141	SANKET KOIRALA	23.06.2020	UG	Two semesters

SECTION 4: ANY OTHER SUBJECT WITH PERMISSION OF THE CHAIR

1. Conduction of classes for ensuing odd semester online mode/offline mode

The Principal informed the members that the college is fully prepared to conduct classes for both Undergraduate and Postgraduate programs. This will be in Blended (online & offline) mode as indicated by the University too.

The Council noted the matter.

2. UG laboratory to initiate with No laboratory manuals:

The laboratory practice has been an important part of engineering education.

With an aim to enable the students to gain in-depth practical knowledge and make them learn, analyze and create, it was proposed to introduce the concept of No-Laboratory Manual for higher semester students. This will also motivate the students to think and innovate ways rather than in conventional approach. Only, for first year students the practice of providing students with laboratory manuals will continue.

The Council noted and approved the proposal.

3. Proposal for reduction of examination hours according to the Credits allotted for the course:

The Dean Academics informed that, presently the examination duration for 3 or 4 credit courses is 3 hours and for 2 credit courses, the duration is 2 hours.

It is now being proposed to reduce the examination duration for 1 credit course for 1 hour instead of 2-3 hours and total marks for final examination will be 30 marks.

While on the subject, Dr. S. Guruprasad opined that the conduction of examination for 1 credit course can be explored with conventional or multiple choice or viva voce on presentation which needs to be specified prior to the examination.



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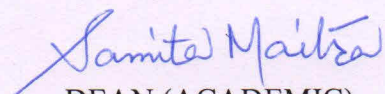
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4. Projects for intermediate semester in interdisciplinary mode:

The Intermediate semester projects may be conducted in interdisciplinary mode by constituting the group of 3 to 4 students across related disciplines. Project evaluation rubrics may also be derived for the said purpose. The students may also be encouraged to take up projects which address societal needs.

The Meeting concluded with thanks to the Chair.


DEAN (ACADEMIC)


PRINCIPAL