


Dr. Ambedkar Institute of Technology, Bengaluru-560056
Estd. in 1980 (An Autonomous Institution affiliated to VTU, Belagavi) Approved by
AICTE, New Delhi, Grant in Aid Institution (Govt. of Karnataka)
Accredited by NBA & NAAC with 'A+' Grade

Minutes of the 22nd Academic Council Meeting held on 12-09-2023 at 11:00 am in the Board Room of Dr. AIT.

Members present:

Sl. No.	Name of the Members	Designation	Committee Nomination
1	Dr. B. N. Umesh	Hon'ble Secretary, PVPWT	Special Invitee
2	Prof. L. M. Patnaik	Senior Research Advisor	Special Invitee
3	Dr. N. C. Shivaprakash	Mentor, Dr. AIT	Special Invitee
3	Dr. M. Meenakshi	Principal	Chairman
4	Dr. M.V. VijayaKumar	Vice Principal & HoD, ISE	Member
5	Dr. Ramesh.S	Dean (Examination)	Member
6	Dr. S. Vijaya	HOD, CV	Member
7	Dr. T.N. Raju	HOD, ME & AE	Member
8	Dr. G. V Jayaramaiah	HOD, Dean (R&D)	Member
9	Dr. Mahalinga V Mandi	HOD, ECE, Dean (P&D)	Member
10	Dr. Ganapthi V Sagar	HOD, EIE	Member
11	Dr. N. Mohan	HOD, IEM	Member
12	Dr. Siddaraju	HOD, CSE	Member
13	Dr. C. R Yamuna Devi	HOD, ETE	Member
14	Dr. Ravish	HOD, MD	Member
15	Dr. A. A. Jahagirdar	HOD, Chemistry	Member
16	Dr. B. Sooryanarayana	HOD, Mathematics	Member
17	Dr. T. R. Shashipriya	HOD, HSS	Member
18	Dr. Chandrakanth Pujari	HOD, MCA	Member
19	Dr. S. Baskaran	HOD, MBA	Member
20	Dr. Gangadhar Shetty	Professor, ME	Member
21	Prof. Kenchamarappa	Asso. Prof., Physics	Member
22	Prof. Sridevi	Asso. Prof., EIE	Member
23	Dr. Aravinda H L	Asst. Prof., ETE	Member
24	Dr. Thippeswamy K	Professor, Dept. of CSE., PG Centre VTU, Mysuru	External Member
25	Sri. S. Sudhakara Reddy	Additional Director, CPRI, Bengaluru	External Member

26	G. P. Ravishankar	Scientist/ Engineer "H" Ex. Technology Director, ADA, Bengaluru	External Member
27	Mr. Srinivasa Ramunujam	TCS, Bengaluru	External Member
28	Dr. Asha	Asso. Prof., CSE	Member
29	Dr. Vasudevamurthy S	Asso. Dean(A) , Assoc. Prof. EEE	Member
30	Dr. K. N Anuradha	Dean (Academics) HoD, Physics	Member Secretary

Members absent:

Sl. No.	Name of the Members	Designation	Committee Nomination
1	Dr. B. G. Naresh Kumar	Principal, Maharaja Institute of Technology, Mysuru	External Member
2	Dr. G. Pundarika	Principal, Govt Engineering College	External Member
3	Sri. Premakumar M. N.	Senior Engineer Manager, Intel Tech India Pvt. Ltd. Bengaluru	External Member
4	Mr. Nagesh Puttaswamy	Zonal Head, WT & RMDT, Bengaluru	External Member

Dr. N. C. Shivaprakash, welcomed all the members of Academic Council to the meeting and briefed about the agenda of the meeting.

Dr. M. Meenakshi, Principal/Chairman, Academic Council heartily extended a cordial welcome to the Hon'ble Secretary, Treasurer and all the members of the Academic Council. She requested Dean (Academic)/Member Secretary, Academic Council to present the agenda of the meeting.

Dr. K. N Anuradha, the Dean (Academics)/Member Secretary of Academic Council welcomed the Hon'ble Secretary, Chairman of Academic Council, Senior Research Advisor, Mentor and the members of the Academic Council. Further she presented the overall agenda of approval, ratification, information and other issues for discussion.

A. Statutory Agenda:

22.01: To confirm the Minutes of 21st Academic Council Meeting held on 29th August 2022.

The members were informed that, the minutes of meeting of 21st Academic Council was circulated to all the members on 17th October 2022 and requested the council for confirmation.

The members confirmed the minutes of the 21st Academic Council meeting held on 29th August 2022.

22.02: To review the Action Taken Report (ATR) of the 21st Academic Council meeting held on 29th August 2022.

The members were informed that, the decision taken in 21st Academic Council meeting were implemented during the academic year 2022-2023. During the discussion of ATR on agenda 21.03, Dean(A) informed the members that the Autonomous colleges should follow the Honor and Minor Degree regulations of VTU and requested the members to approve CGPA => 5 for Minor B.E. Degree and for Honour B.E. Degree CGPA => 7.5

The Council noted the information and confirmed the action taken report of 21st Academic Council meeting and approved CGPA => 5 for Minor B.E. Degree and for Honour B.E. Degree CGPA => 7.5

B. Agenda for Discussion & Approval

22.03: To approve: 3rd to 8th semester UG scheme and structure: 2022 scheme.

Dean(A) presented the 3rd to 8th semester UG scheme and structure of 2022 scheme.

After the detailed discussions the Council approved UG scheme of 3rd and 8th semester of 2022 scheme.

22.04: To confirm the MoM/Courses/syllabus approved in BoS of UG Programmes:

(i) 3rd and 4th semester: 2022 scheme

Dean (A) presented the courses/syllabus approved in BoS of UG Programmes of 3rd - 4th semester UG scheme and structure: 2022 scheme.

After the detailed discussions Council approved 3rd and 4th semester Courses and syllabus of 2022 scheme.

(ii) 5th & 6th semester: 2021 scheme

Dean(A) presented the scheme of 3rd and 4th sem (2021 scheme) and explained the members about the common courses viz Management course and Research Methodology and IPR. Dr Shivaprakash and others suggested to invite faculty from National law school to teach IPR for the students instead of recruiting new faculty to teach the courses.

After the detailed discussions the Council approved 5th and 6th semester UG Courses and syllabus of 2021 scheme.

22.05: To approve: Academic and Examination Regulations of PG Programme (M. Tech., MBA and MCA) 2022 Scheme.

The Dean(Academics) presented the Academic and Examination regulations (with effect from 2022-23) of PG Programme as per the guidelines of VTU [(VTU/BGM/OS-Aca-Autonomy/2022-23/7580/7581/9583 dated 29th March 2023 for M.Tech., MCA and MBA)]. The council members were given information about the attendance requirement, dropping of courses, withdrawal of courses, internship, types of Courses, etc. Further Dean(A) explained the salient features of PG regulations :

- **Passing standard in CIE:** The minimum marks to be secured in CIE is 25 (50% of maximum marks of CIE) to appear for SEE.
- **Passing standard in SEE:** The students shall secure minimum of 40% of the maximum marks prescribed in the Semester End Examination (SEE).
- **Weightage of CIE and SEE:** Minimum marks to score for CIE is 50% of the maximum marks of CIE and minimum passing marks for SEE is 40% of the maximum marks of SEE. In aggregate the students have to secure 50% from CIE and SEE (CIE+SEE).
- The students who have satisfied CIE and Attendance requirements for the course/s and obtained **F** grade in SEE and is required to reappear in subsequent SEE.
- The course/s for which the student does not possess satisfactory attendance/ CIE score, shall be marked as **NE** in the Grade sheet. Such students are not permitted for SEE for the courses marked as NE in Grade Sheet.
- The students have to re-register only for course/s marked as NE in supplementary/ subsequent semester whenever that course is offered and obtain the required CIE and attendance. Subsequently, they are eligible to appear for SEE in such course/s. Whatever the letter grade secured by the student during his/her reappearance shall be retained. However the number of attempts taken to clear a course shall be indicated in the grade cards.
- A student is permitted to register for a maximum of **16 credits** in supplementary/Fast track semester.

- Absolute Grading system on 10-point scale is followed in the evaluation of student's performance in a course.
- Letter grade to be followed from 2022 scheme are Outstanding (O), Excellent (A+), Very Good (A), Good (B+), Average (B), Pass (C) and Fail (F), based on the score. This is arrived at after the student's performance in a course, which includes both CIE and SEE.
- Conversion of CGPA into percentage of marks and class equivalence:
CGPA x 10, Example: $8.54(\text{CGPA}) \times 10 = 85.4\%$.
- **Vertical Progression:** There is no restriction for promotion from an ODD semester to next EVEN semester provided the student has fulfilled the attendance requirement.
- Students having more than FOUR F GRADES in the I and II semesters of the first year of the program SHALL NOT BE ELIGIBLE TO MOVE TO THE III SEMESTER (II year) of the program. These courses also include courses marked as NE.
- The students who are under NE should repeat the courses whenever offered next and become eligible for the II year.
- **Online courses:** Passing online courses is mandatory for award of a degree for M.Tech. and MCA Programmes. Online courses are not considered under vertical progression. However the student has to pass these courses before the completion of the programme.
- If a student fails in a selected online course in a semester then he/she can pass the course in the next semester by taking the same course (if offered online) or other BOS approved available ONLINE courses during the session. The title of the course in which he/she qualify shall be mentioned in the grade card with letter grade PP.

During the discussion the VTU Nominee suggested to identify faculty coordinator for MOOCs courses. The Dean(A) informed that the system already exists.

After a detailed discussion the council approved the Academic and Examination Regulations of PG Programme (M. Tech., MBA and MCA) of 2022 Scheme.

22.06: To confirm the MoM/Scheme/ courses/ syllabus approved in BoS of PG departments(2022 scheme)

- (i) 3rd and 4th semester M.Tech. , (ii) 3rd and 4th semester MBA
- (ii) 3rd and 4th semester MCA

Dean(A) presented the 3rd /4th semester (2022 scheme) Scheme / courses / syllabus of PG Programme and requested the Council to approve the same.

The council approves the MoM / Scheme/ courses/ syllabi PG departments – M.Tech, MBA and MCA departments (2022 scheme).

22.07: To issue a certificate at Institute level for a student registered for B.E. Honour degree.

Dean(A) informed the members that, a student from CSE department by name Pranav P. has maintained a CGPA above 8.5 from the 1st to the 4th semester, meeting the academic eligibility criteria for the B.E. Honors program. As per the institute regulations for B.E. Honors, Pranav P has earned 12 credits (equivalent to 4 courses of 3 credits each) by taking Board of Studies (BOS) approved courses, and the institute conducted examinations for these courses. In addition to the above, Pranav has also earned 6 credits through NPTEL (MOOC) courses that were approved by the BOS. This totals 18 extra credits earned in addition to the regular B.E. program. Dean (A) further informed the members that, according to the regulations of Visvesvaraya Technological University (VTU), students registering for B.E. Honors should only register for NPTEL (MOOC) courses, not Institute-level courses. As a result, the University did not consider the courses completed by Pranav for the award of B.E. Honors.

The Dean has requested the Council to grant permission to issue an Institute-level certificate to Pranav P for earning the extra 18 credits.

After the detailed discussion the Council has permitted to issue an Institute-level certificate to the student, Pranav P, for completing the extra 18 credits.

22.08: To confirm the:

- (i) Results of 4th year B. E. & Rank list UG (passed in 2022-23)**
- (ii) 10th Graduation day celebration to be held in the month of October 2023**

Dean Academic presented results of 4th year B. E. & Rank list UG (passed in 2022-23) and informed that the 10th Graduation day celebration to be held in the month of October 2023. And requested the council for approval. The council permitted to conduct Graduation day for UG and suggested to include PG also which can be ratified in the 23rd Academic council meeting. Dr. B. N. Umesh, Hon'ble Secretary suggested to recognise Institute topper from Circuit Engineering Branches and Core Engg. branch separately for the award.

The Council has confirmed the Rank List and Results for the 4th-year B.E. students who passed in the academic year 2022-23. They have approved the organization of the 10th Graduation day celebration to be held in the month of October 2023. The Council has also approved the presentation of Institute-level awards to the top-performing students from both Circuit Engineering Branches and Core Engineering Branches.

22.09: To approve: Skill lab courses approved in BoS and to be implemented for UG students:

Dean (A) presented the skill lab courses approved in various BoS boards and to be implemented for the students of 2023-24 batch and requested the council for approval.

Sl. No.	Name of the Department	Title of Skill Lab
1	Civil Engg.	Building Construction Materials Basics of Construction.
2	Electronics & Comm.	Basic IOT Lab
3	Electrical & Electronics Engg.	Domestic Wiring And Home Appliances
4	Electronics and Telecomm Engg.	IoT Basics
5	Computer Science/CSBS	Fundamentals of Computers, OS and Network Essentials
6	Mechanical Engg/ AE	Fitting Shop Welding & Sheetmetal Shops
7	Electronics and Instrumentation Engg.	Instrumentation and Control
8	Information Science Engg. and AIML	IT Essentials (IT Skills For All)
9	Industrial Engg. Management	Advanced Microsoft Excel

The Mentor provided a briefing on Skill Lab Courses and explained the concept of skill labs introduced by VTU.

Dean(A) presented the Skill Lab courses that were proposed by the department. These proposed courses had previously been approved by the Board of Studies (BoS).

Dr. B. N. Umesh, the Hon'ble Secretary, has expressed an opinion regarding skill lab courses proposed by the departments at the institution. He believes that these proposed skill lab courses are at a basic level and do not meet the standards expected in the field of engineering. To address this concern, he has suggested that the institution should consider offering international certificate courses for skill enhancement instead. This suggests a desire to

elevate the quality and standards of skill development courses by offering internationally recognized certifications. Such international courses often carry prestige and can provide students with valuable skills that meet global industry standards, which can be particularly beneficial in the field of engineering.

Dr N.C. Shivaprakash, suggested that the Institute could provide training to students during their 1st and 2nd years of B.E. to build foundational skills. Then, in the 3rd and 4th years, students could pursue International certificate courses in their areas of interest. This approach would allow students to have a strong foundation before pursuing specialized international certifications.

However, the Council did not approve the skill lab courses that were previously approved by the Board of Studies (BoS). Instead, they suggested revisiting the skill lab courses before implementing them for undergraduate (UG) students.

22.10: To approve:

New UG Programme to be introduced from the AY: 2024-25 Electronics and Computer Engineering.

Dean(Academics) presented the new UG Programme proposed by HoD, Medical Electronics and Engg. The proposed Programme is Electronics and Computer Engineering. During the discussion the members opined that *Medical Electronics department cannot be a nodal department for the programme proposed namely Electronics and Computer Engineering.* And suggested to revisit the title and the scheme of the programme.

The council suggested to start new UG programme for the academic year 2024-25 by revisiting the title and the scheme of the programme.

C. Agenda for Ratification:

22.11: To ratify the (i) Passing Standard implemented as per 2022 regulations for 2022-23 PG batch:

Dean Academic presented the Passing standard for normal and Integrated courses implemented for 2022-23 PG batch as per 2022 PG Scheme.

The council ratified the passing standard implemented for 2022-23 PG batch as per 2022 PG Scheme.

(ii) New Grade and Grade points Implemented as per 2022 regulations for 2022-23 PG batch.

Dean Academic presented the New Grade and Grade points Implemented as per 2022 regulations for 2022-23 PG batch.

* Level	Out Standing	Excellent	Very Good	Good	Average	Pass	Fail
Score (Marks) Range%	90-100	80-89	70-79	60-69	55-59	50-54	0-49
Grade	O	A+	A	B+	B	C	F
Grade Points	10	9	8	7	6	5	0

The council ratified the New Grade and Grade points Implemented as per 2022 regulations for 2022-23 PG batch.

22.12: To ratify:

(i) Vertical Progression implemented for UG students admitted during 2021-22

The Dean Academic Presented the Vertical Progression implemented for UG students admitted during 2021-22.

2021 regulations(UG) for vertical progression	Amendments
Students having not more than four backlog courses (Backlog courses includes courses with F GRADES, NE and NotRegistered/Dropped courses) in the 1st and 2nd semesters of the first year of the program shall be eligible to move to the 3rd semester (2nd year) of the Programme.	Carry over of backlog courses: From 1 st semester till 6 th semester, the student/s who have any number of backlog courses (Backlog courses includes courses with NE & F grades and Not Registered/ Dropped courses) is allowed to move forward to the next semester (odd/even). However, for the award of degree, the student must pass all the courses as per applicable schemes and regulations and earn the prescribed credits. This is subject to the permitted maximum duration as mentioned in the regulation.
The student will be given admission to the IV year (7 th semester/ 8 th semester) provided he/she passes all courses of 1 st and 2nd semesters.	No change

Permitted Maximum credits for registration: The student shall be permitted to register for courses not exceeding 28 credits. These 28 credits include the courses of the regular semester and backlogs. The registration of these additional credits includes the courses having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the prescribed fee as notified by the Institute from time to time.	Permitted Maximum credits for registration: The student shall be permitted to register for courses not exceeding 30 credits. These 30 credits include the courses of the regular semester and backlogs ('F' and NE). The registration of these additional credits includes the courses having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the prescribed fee as notified by the Institute from time to time.
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The council ratified the Vertical Progression implemented for UG students Admitted during 2021-22 .

(ii) Scheme and Syllabus of 1st year B.E. (2022 scheme) approved in BOS held during Nov. 2022:

The Dean Academic presented the scheme of CV stream, ME stream, ECE Stream and CSE stream and also presented the syllabus of 1st year B.E. (2022 scheme) approved in BOS held during Nov. 2022 and implemented for 2022-23 batch students and requested the council for ratification.

The council ratified the Scheme and Syllabus of 1st year B.E. (2022 scheme) implemented for 1st year B.E. during 2022-23.

D. Agenda for Information

22.13: Academic and Examination Activities for the academic year 2022-23

Dean(A) presented the academic and Examination activities Academic Activities (2022-23) of UG and PG viz. Induction programme for 1st year students (phase 1), conduction of classes, conduction of CIE and SEE, academic audit, status of NAAC, NBA, LIC visit by VTU, IQAC lecture series
The members noted the same.

22.14: R & D Activities 2021-22

Dean(A) presented the Research & Development (R&D) activities of the academic year 2022-23

The members noted the same.

22.15: Career Guidance and Placement Cell activities 2021-22

Dean(A) presented the statistics of the placement held during the academic year 2021-22.

The members noted the same

E. Any other matters with the permission of the Chair

Permission to register for courses more than 16 credits in summer semester:

Dean(A) explained that as per the Academic regulations a student is permitted to register for a maximum of 16 credits in summer/Fast track semester. And further informed the members that few students belong to 2018 scheme requested for registering more than 16 credits in Summer/Fast track semester 2022-23. Requested the council for approval.

Academic Council members have decided not to increase the maximum number of credits a student can register for beyond 16 in summer semester. Additionally, the Dean (A) has been instructed to provide information regarding the number of students who have requested to register for more than 16 credits in the mentioned summer semester.

After the presentation the Dean(Academic) thanked Hon'ble Secretary, PVPWT, Invitees and all the members of Academic Council for their valuable suggestions.

Further the Chairman/Principal thanked the Hon'ble Secretary, PVPWT and all the members of Academic Council.


Dean(Academic)/Member Secretary
Dean (Academic)
Dr. Ambedkar Institute of Technology
Bengaluru-560 056.


Principal/ Chairman
PRINCIPAL
Dr. Ambedkar Institute of Technology
Bengaluru-560 056.

- Copy to:**
- 1) The Hon'ble Secretary, PVPWT
 - 2) The Senior Research Advisor, Dr AIT
 - 3) The Mentor, Dr AIT
 - 4) The Academic Council members