

Dr. Ambedkar Institute of Technology, Bengaluru
(An Autonomous Institution, Affiliated to VTU, Belgaum)



26.09.2016

Minutes of Academic Council meeting held on 23-09-2016 in Board Room at 11.00 PM

The members present:

Sl.No	Name	Affiliation	Designation
1	Dr. M. Mahadeva	Management Invitee	Managing Trustee/Secretary
2	Dr. C. Nanjundaswamy	Chairman Academic Council	Principal Dr. AIT
3	Dr. S.G. Gopalkrishna	VTU Nominee	Principal, NCE,
4	Dr. Mahanth Shetty	Industry Experts	Director, KARMIK,Pvt. Ltd
5	Dr. V. Ramachandra	Industry Experts	V.P, Ultratech Cement
6	Sri. Srinivasa Ramanujan	Industry Experts	Head(Academic Solution),TCS
7	Dr. B. Shivakumarswamy	Member	HOD, CV
8	Dr. L. Chandrasagar	Member	HOD, ME
9	Dr. B. V. Sumangala	Member	HOD, EEE
10	Dr. G. Rajendra	Member	HOD, IEM & COE
11	Dr. Meenakshi	Member	HOD, EI
12	Dr. Rajanna K.M	Member	HOD, ECE
13	Dr. B. Sivakumar	Member	HOD, TCE
14	Dr. Siddaraju	Member	HOD, CSE
15	Dr. B.S. Shylaja	Member	HOD, ISE
16	Dr. Shanthi K.J	Member	HOD, ML
17	Dr. Veenadevi,	Member	HOD, Chemistry
18	Dr. Sooryanarayana. B	Member	HOD, Mathematics
19	Dr. T. S. Reddy	Member	HOD, Physics
20	Dr. S.G. Ramachandraiah	Member	Assc. Prof, CV
21	Prasannakumar M	Member	ACOE
22	Dr. Vijayakumar. M.V	Invitee	Prof. CSE
23	Dr. M.N. Hegde	Member Secretary	Dean (Academic)

Leave of Absence:

1. Dr. B. Hanumaiah, Advisor, Dr. AIT, Invitee
2. Dr. Basavarajappa, VTU Nominee
3. Sri. Samath Raman, Industry
4. Dr. S.N. Sridhar, VTU Nominee
5. Dr. Seetharamu, Ex. Director, CPRI
6. Dr. T. R. Shashipriya, HOD, HSS
7. Dr. T. N. Raju, Assc. Prof, ME
8. Dr. V. Arunkumar, Prof. ME

Introduction:

Principal welcomed all the members to the meeting and briefed about the agenda to be discussed and informed Dean (Academic) to continue with the deliberation.

Dr. M. Mahadeva, Managing Trustee/Secretary, has noted the absence of Dr. B. Hanumaiah, Advisor, without official communications during the academic deliberation was not acceptable and mentioned to keep on record his displeasure. He is advised to be present during all academic meetings. The absence of all other internal members without specific official reasons are to be recorded and asked to inform them to be part of the decisions. He has appreciated the participation and contributions of the External members for contributing their academic expertise in bringing the academic excellence for the benefit of the stakeholder. He has also thanked Visvesvaraya Technological University for granting institutional autonomy and Autonomous status to all PG programmes.

Ratification of Minutes of the previous meeting:

Minutes of the previous meeting was read & confirmed with discussion on NFTC cases. All the members agreed that a fair chance shall be given to students and agreed to the modifications made therein.

The Dean explained about the Academic Regulations for Post Graduate courses and MBA and MCA and the proceedings of BOS for PG programmes was placed before Academic Council and sought the Approval for the same.

Dr. Gopal Krishna suggested to have 100 credits to M. Tech programmes, 150 credits for MCA and 100 credits for MBA. He also opined that different weightage for CIE & SEE may be given as in VTU (CIE: SEE = 20:80).

Dr. V. Ramachandra opined that giving 50:50 weightage for CIE and SEE may create an impression that passing in Autonomous system may be easier and also there is no need to give summer semester for the PG students. Summer Semester is required for the UG level students. He also doubted that the students who could not pass in regular semester, may find it difficult to pass in 08 weeks period and other colleges are not adopting Summer Semester for PG courses. It is better to avoid Summer Semester and students can concentrate on internship.

It was resolved to relook into the weightage (50:50) given to CIE + assignments and Semester End Examinations. The Principal informed the members that all HOD will discuss this issue in college council meeting and take appropriate decisions. He also opined that instead of Summer

(2)

Semester, the students may be asked to attend contact classes for subjects, in which the students failed and shall be allowed to appear for the examination.

Academic Regulations (Tentative):

The Dean of Dr. AIT highlighted the features of the Academic Regulations for Post Graduate Programmes, which was prepared for the first time, as a result of the autonomous status given. The Secretary Dr. M. Mahadeva, expressed his opinion to get the information from other Autonomous Colleges, regarding their regulations and instructed the external members to kindly comment on the draft regulations and send their suggestions which can be incorporated and final version will be sent to them again, for their ratification.

The Dean explained the details of teaching and examination of PG programmes for the Academic year 2016-17. Sri. Srinivas Ramanujan, industry expert, opined that there is no need for theory subjects in the fourth semester, after doing internship programme and suggested that final year should be only for internship and project works.

The Principal stated to accommodate all theory and core subjects in I & II semesters, and during III & IV semesters, there will be internship and project respectively.

Dr. Mahanth Shetty opined to keep all core subjects in First semester, and internship in II & III semesters, and Projects in the IV semester. In this module, the students can interact with the faculty members so that students can make use of the benefit of internship to do project in the college and hence there will be knowledge sharing in the college. The College will also be benefitted.

Dr. V. Ramachandra suggested to have R&D or Industry interface courses during the III semester. However he has suggested that since the academic year is on and the classes are started, the major changes can be adopted during the next year. Dr. V. Ramachandra, finally suggested that during I & II semesters, confine the students for class room teaching, during III Semester, students can have industry interaction & internship under the guidance of faculty, and during IV Semester they can do the project work in the College.

PAN Dr. AIT Curriculum:

The Principal and the Dean have explained the features of the curriculum. They also explained that all the three components, Core engineering, Research & Development, and Industry needs are inbuilt in this model, where Core Academic component is covered during I and II Semesters, Industry component during the III Semester and Research & Development

component is covered during the IV Semester. Dr. V. Ramachandra suggested that unit weightage in the syllabus and curriculum on Core Academic as 50%, Research & Development as 25% and Industry needs as 25%.

The decision of teaching an exclusive paper on Research Methodology as part of the curriculum is appreciated by the experts.

It is resolved to accept the suggestion of having industry internship in III semester and carry out some project works at the same time. The main Project can be allowed during the IV semester is under the guidance of a faculty member. All PG departments are asked to go ahead with their scheme and syllabus for this academic year itself.

Sri. Srinivas Ramanujan suggested that TCS will come forward to guide for project works during IV semester and they can also undertake projects and internship for 02 groups of 05 students each. This will help the placement activities of the colleges. At this juncture the secretary has expressed deep sense of gratitude and thanked TCS and Sri Srinivas Ramanujan for taking interest in giving placement to large number of students of our college.

Members expressed their concern over 50:50 weightage for CIE and SEE. A suggestion was made to have 30:70 weightage to CIE and SEE to minimize the teachers' role and encourage students to earn better.

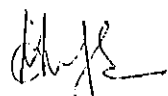
The Committee has accepted the suggestion to adopt 30:70 weightage to CIE and SEE and details of evaluation procedure may be worked out in the HODs and coordinators meeting.

Under any other points:

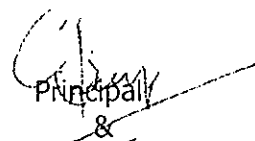
Increase of CIE eligibility marks from 20 to 30 for English subject in first year B.E that for Functional English Course, since there is no final examination, was considered and eligibility marks may be increased from 20 to 30 (i.e., to 60% minimum).

The request of HOD HSS the CIE eligibility marks for English course has been resolved to increase from the current 20 marks to 30 marks & there will be no SEE for this subject.

The Principal has concluded the meeting with vote of thanks



Dean (Academic)



Chairman of Academic Council

Dr. Ambedkar Institute of Technology

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Department of Telecommunication Engineering

SCHEME OF TEACHING AND EXAMINATION I SEMESTER (Autonomous) 2020-21, 2021-22

M. Tech in Computer Science & Engineering

I semester

Sl. No.	Sub Code	Subject Title	Teaching Department	Teaching hours per week			Maximum Marks allotted			Examination Credits
				Lecture	Tutorial/ Seminar/ Assignment	Practical / Project	CIE	SEE	Total	
1	20SCS11	Probability Statistics and Queueing Theory (Maths)	MAT	4	-	-	50	50	100	3
2	20SCS12	Cloud Computing Theory and Practises	CSE	4	-	-	50	50	100	3
3	20SCS13	Internet of Things	CSE	4	-	-	50	50	100	3
4	20SCS14	Soft Computing	CSE	4	-	-	50	50	100	3
5	20SCS15X	ELECTIVE - I	CSE	4	-	-	50	50	100	3
6	20SCS16X	ELECTIVE - II	CSE	4	-	-	50	50	100	3
7	20SCSL17	IoT Laboratory	CSE	-	-	3	50	50	100	2
8	20SCSS18	Technical Seminar	CSE	-	4	-	50	-	50	2
9	20SCSM19	Minor project	CSE	-	-	6	50	-	50	2
Total							450	350	800	24

Technical Seminar: Seminar on Advanced topics from refereed journals by each student.

ELECTIVE - I			ELECTIVE - II	
Sl.No	Sub Code	Subject title	Subject Code	Subject title
1	20SCS151	Advanced Operating System	20SCS161	Introduction to Block chain Technology
2	20SCS152	Advances in Computer Network	20SCS162	Advanced Algorithms and Data structure
3	20SCS153	Artificial Intelligence and Prolog Programming	20SCS163	Cyber Security and Cyber Laws
4	20SCS154	Parallel Computing with GPU Architecture	20SCS164	Computational Intelligence

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SCHEME OF TEACHING AND EXAMINATION II SEMESTER (Autonomous) 2020-21, 2021-22

M. Tech in Computer Science & Engineering

II semester

Sl. No.	Sub Code	Subject Title	Teaching Department	Teaching hours per week			Maximum Marks allotted			Examination Credits
				Lecture	Tutorial/ Seminar/ Assignment	Practical / Project	CIE	SEE	Total	
1	20SCS21	Big Data	CSE	4	-	-	50	50	100	3
2	20SCS22	Advanced Database Systems	CSE	4	-	-	50	50	100	3
3	20SCS23	Cryptography & Network Security	CSE	4	-	-	50	50	100	3
4	20SCS24	Data Science and Machine Learning Techniques	CSE	4	-	-	50	50	100	3
5	20SCS25X	ELECTIVE - III	CSE	4	-	-	50	50	100	3
6	20SCS26X	ELECTIVE - IV	CSE	4	-	-	50	50	100	3
7	20RM27	Research Methodology	CSE	2	--	-	50	50	100	2
8	20SCSL28	Data Science and Machine Learning Laboratory	CSE	-	-	3	50	50	100	2
9	20SCSP29	Project Phase - I	CSE	-	-	6	50	-	50	2
Total							450	400	850	24

ELECTIVE - III				ELECTIVE - IV			
Sl.No	Sub Code	Subject title	Subject Code	Subject title	Subject Code	Subject title	Subject Code
1	20SCS251	Natural Language Processing	20SCS261	Business Analytics	20SCS261	Business Analytics	20SCS261
2	20SCS252	Industry Elective (TCS)	20SCS262	Deep Learning	20SCS262	Deep Learning	20SCS262
3	20SCS253	Agile Methodologies	20SCS263	Storage Area Network	20SCS263	Storage Area Network	20SCS263
4	20SCS254	Wireless Networks & Mobile Computing	20SCS264	Intelligent Systems	20SCS264	Intelligent Systems	20SCS264


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SCHEME OF TEACHING AND EXAMINATION III SEMESTER (Autonomous) 2020-21, 2021-22
M. Tech in Computer Science & Engineering

III semester

Sl. No.	Sub Code	Subject Title	Teaching Department	Teaching hours per week			Maximum Marks allotted			Examination Credits
				Lecture	Tutorial/ Seminar/ Assignment	Practical / Field Work	CIE	SEE	Total	
1	20SCS31	Self Study – Massive Open Online Course (MOOC)	CSE	--	8	--	50	50	100	3
2	20SCS132	Internship	CSE	--	--	16	50	50	100	8
3	20SCSS33	Technical Seminar	CSE	-	4	-	50	-	50	2
4	20SCSP34	Evaluation of Project Work Phase I	CSE	-	-	12	50	50	100	7
Total							200	150	350	20

* List of MOOC course shall be decided in the Board of Studies meeting Students shall register for NPTEL-MOOC during 2nd semester and shall be completed before the last working day of the 3rd semester. The certificate and assignment and examination scores should be submitted to the examination section.

* The student shall make a midterm presentation of the activities undertaken during the first 8 weeks of internship to a panel comprising Internship Guide, a senior faculty from the department and Head of the Department. The College shall facilitate and monitor the student internship program.

The internship report of each student shall be submitted to the Institute.


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SCHEME OF TEACHING AND EXAMINATION IV SEMESTER (Autonomous) 2020-21, 2021-22

M. Tech in Computer Science & Engineering

IV semester

Sl. No.	Sub Code	Subject Title	Teaching Department	Teaching hours per week			Maximum Marks allotted			Examination Credits	
				Lecture	Tutorial/ Seminar/ Assignment	Practical / Field Work	CIE	SEE	Total		
1	20SCSP41	Project Phase – II Midterm Internal Evaluation	CSE	-	-	8	100	-	100	2	
2	20SCSP42	Project Work Evaluation and Viva Voce	CSE	-	4	24	100	100	200	18	
Total							200	100	300	20	
Grand Total (I to IV Semester) :							2300 Marks ; 88 Credits				


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- * The student shall make a midterm presentation of the activities undertaken during the first 8 weeks of internship to a panel comprising Internship Guide, a senior faculty from the department and Head of the Department.
- # The College shall facilitate and monitor the student internship program.

The internship report of each student shall be submitted to the Institute.

Note:

- 1) Project Phase – I : 6 weeks duration shall be carried out during III Semester. Candidates in consultation with the guides shall carryout literature survey / visit to Industries to finalize the topic of dissertation.
- 2) Project Phase – II : 16 weeks duration during IV Semester. Evaluation shall be taken during the IV Semester. Total Marks shall be 100.
- 3) Project Work Evaluation and viva-voce: 24 weeks duration in IV Semester. Project Work Evaluation shall be taken up at the end of the IV Semester. Project Work Evaluation and Viva-Voce Examinations shall be conducted. Total Marks shall be 200 (Phase –II Evaluation: 100 Marks. Project Evaluation marks by Internal Examiner (guide): 50, Project Evaluation marks by External Examiner: 50, and 100 for viva-voce).

Marks of Evaluation of Project:

1. During Project Phase – I, finalise titles and submit synopsis to the Institute along with Project Work report at the end of the Semester.
2. During the final viva, students have to submit all the reports.
3. The Project Valuation and Viva-Voce will be conducted by a committee consisting of the following:
 - a) Head of the Department (Chairman)
 - b) Internal examiner (Guide)
 - c) External examiner proposed by the Chairman, BoE (PG)



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5th BOS Meeting
14/08/2020

31

The Meeting of Board of Studies (BOS) is arranged on 14/08/2020 at 11:00 AM through online using Zoom meeting app, meeting ID: 83750462433 in the view of discussion of syllabus framing for I and 4th semester, M.Tech. for the academic year 2020-2021.

Agenda of the meeting:

1. Prof. Patil sir suggested to remove IV & field work and only keep mini/minor project.
2. Prof. Patil sir suggested to move Deep learning course from 1st semester to second semester.
3. Prof. Rajendra suggested Technical seminar instead publish papers etc to except a technical paper from students proposing their own idea from 2 credits of technical seminar.
4. BOS members suggested to remove "AI and Prolog programming" from 2nd semester and also expressed that the subject need not be core subject as they are exploring data science & Machine Learning in detail.
5. Dr. Gowrishankar from BMSCE suggested to have a MOOC course for 2 credits in 4th semester in place of project evaluation phase-II
6. Dr. Bindu Madavi suggested to add cyber security along with IOT.

Dr. Siddaraju
(HOD. CSE)

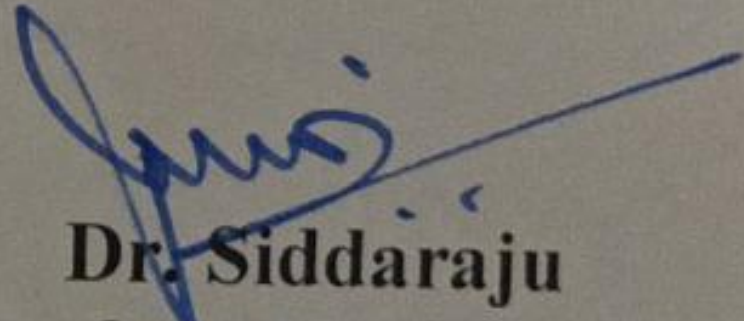
AGENDA

1. Finalization of UG Scheme & syllabus from 1st to 6th semester and scheme of 7th and 8th sem.
2. Finalization of PG Scheme & syllabus from 1st to 4th semester.
3. Finalization of BE Honor's scheme.
4. Finalization of PAC committee.
5. Finalization of department Mission, Vision statement.
6. Any other issues related to BOS.

HOD welcomed all the BOS members to the meeting (Online) and briefed about the agenda for the meeting.

Discussion on PG Syllabus is as follows:

1. Dr. Rajendra suggested to expect a technical paper from students proposing their own idea from 2 credits of technical seminar.
2. BOS member Suggested to have only mini project and take out industry visit and field work
3. Suggested to move Deep Learning to 2nd semester
4. BOS members suggested to remove AI and Prolog Programming from 2nd semester and also expressed that the subject need not be core subject as they are exploring data science and ML in detail.
5. Dr. Gowrishankar from BMSCE suggested to have a MOOC course for 2 credits in 4th semester in place of Project evaluation Phase II.
6. Dr. Bindu Madavi suggested to add cyber security along with IoT.


Dr. Siddaraju
Prof. & HOD, CSE

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