



FACULTY OF TECHNOLOGY

ANNA UNIVERSITY, CHENNAI

Minutes of the Syllabus Sub Committee Meeting

Minutes of the Syllabus Sub Committee meeting of the M.Tech. Leather Technology and M.Tech. Footwear Science and Engineering degree programmes under R - 2019, Department of Leather Technology, Faculty of Technology was held on 19.12.2018 at 02.30 PM at Nayudamma Hall, Department of Leather Technology, A.C.Tech., CLRI Campus, Anna University, Chennai.

The following members were present:

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| 1 | Dr. N. Selvakumar | Chairperson & Professor, Faculty of Technology, Anna University |
| 2 | Dr. J. Raghava Rao | Chief Scientist, CSIR-CLRI & Head, Dept. Leather Tech. Anna University |
| 3 | Dr. T. Ramasami | Nayudamma Abdul Wahid Chair Professor, Dept. Leather Tech. Anna University |
| 4 | Mr. C.S. Gnanasekaran | Managing Partner, C. Kalyanam & Co |
| 5 | Dr. N. K. Chandrababu | Retired - Chief Scientist, CSIR-CLRI |
| 6 | Dr. B.N. Das | Chief Scientist, CSIR-CLRI Campus |
| 7 | Dr. Sanjoy Chakraborty | Professor & HOD, Dept. Leather Technology, Kolkata Govt. College |
| 8 | Dr. Aravendhan | Chairperson - LD, Associate Prof & UI-IPR, Dept. of Leather Design, National Institute of Fashion Technology, Chennai |
| 9 | Prof. Nagendra Gandhi | Dept. of Chemical Engineering, A.C. Tech - Anna University |
| 10 | Dr. B. Madhan | Principal Scientist & Hon. Faculty, Dept. Leather Tech. |
| 11 | Dr. G. C. Jayakumar | Scientist, Dept. Leather Tech. |
| 12 | Mr. S. Pradeep | Second Year M.Tech Leather Technology, A.C.T |
| 13 | Mr. G. Bharathi Raja | Second Year M.Tech Footwear Science & Engg., A.C.T |

The Chairperson & Professor Dr. N. Selvakumar, Faculty of Technology welcomed the members and presented the salient points of Regulations R - 2019 to be followed for the programmes offered at University Departments under CBCS from the academic year 2019 - 2020.

The members were requested to offer their suggestions to the Head of the Department.

The Head of the Department made the presentation of details of the Curriculum and Syllabi and requested the members to discuss and finalize the curricula and syllabi of M.Tech. Leather Technology and M.Tech. Footwear Science & Engineering programmes, taking into consideration, the concept note Prepared by Dr. T. Ramasami, Nayudamma Abdul Wahid Chair Professor, Dept. of Leather Tech. CSIR-CLRI Campus, Chennai-20 (Annexure I).

M. TECH LEATHER TECHNOLOGY

1. After detailed discussions, refined the Programme Educational Objectives are as follows
 - To build an expertise base capsule of delivering technology based solution to leather and allied sectors.
 - To foster development of advanced human capacity for translational research for solution science.
 - To equip learners with relevance knowledge and expertise system for professional consultation.
 - To enable learners in the areas of pedagogy and advanced research.
 - To provide a learning ambience for innovators, researchers and professional technology authors.
2. New courses such as Quality Management & Assurance, Project Management System, Practice on Quality Management are created as a part of core courses.
3. This programme has more elective options than previous programmes
4. Electives are created in four streams viz., a) Professional Technology Services and Entrepreneurship, b) Ecosystem Services, c) Research & Development & Pedagogy and d) Do Ecology and Sustainability Engineering; and list of electives for each stream is suggested.
5. New elective courses such as Sustainability Science and Self-Management & Entrepreneurship have been introduced.
6. Minor Project and Seminar is changed to Industrial Internship, and under this course it is proposed that the students should solve problems of the industry during their tenure.
7. Under Project work, emphasis is given for students to take up industrial problems.
8. With reference to audit courses apart from the list of courses proposed under AICTE guidelines, department proposes to have Corporate Social Responsibility as one of the Audit courses, and syllabus for the same is provided.
9. Syllabi for the open elective courses to be finalised by Anna University.

M. TECH FOOTWEAR SCIENCE AND ENGINEERING

1. Stakeholders (Industry & Students) feedback obtained by the department was discussed and the curriculum & syllabus revision is proposed to take into account on the important aspects such as
 - Strengthening of syllabus by addition of new subjects such as 3D pattern making and customized footwear, 3D printing, robotics and automation.
 - Include management oriented elective
 - Addition of studies related to non-leather, athletic type footwear, and outsole technology
 - Enhancing student's skill in "Product development" and "Quality Assurance".
2. Committee members proposed to revise the programme title from Footwear Science and Engineering to "**FOOTWEAR ENGINEERING AND MANAGEMENT**".
3. Programme Educational Objectives has been modified based on the requirements for the course
4. Members proposed to change the following course title 'Footwear chemicals and polymers' of existing curriculum. Accordingly, the Title for that courses have been revised as "Polymer and Auxiliaries for Footwear".
5. Committee suggested merging the syllabus of Leather product and design methodology & Modern footwear styling. Accordingly, the courses have been revised.
6. New courses such as Project Management System and CAD/CAM for Footwear Designing are created as a part of core courses.
7. Electives are created in four streams viz., a) Industrial Project Planning and Development, b) Total Quality and Productivity Management, c) Research and Development and Pedagogy d) Precision Product Design and Engineering; and list of electives for each stream is suggested.
8. This programme has been incorporated with more management related elective courses than the previous programme.
9. New elective courses such as Engineering Economics in Footwear Production, Footwear Machineries, Footwear Performance and Customer Services, Human Factors in Engineering, Industrial Safety and Occupational Health, Marketing Management, Production Operations Management and Self-Management & Entrepreneurship have been introduced.
10. Minor Project and Seminar is changed to Industrial Internship, and under this course it is proposed that the students should solve problems of the industry during their tenure.
11. Under Project work, emphasis is given for students to take up industrial problems.
12. With reference to audit courses apart from the list of courses proposed under AICTE guidelines, department proposes to have Corporate Social Responsibility as one of the Audit courses, and syllabus for the same is provided.
13. Syllabi for the open elective courses to be finalized by Anna University.

Taking account of all the aspects deliberated in the meeting, curriculum & syllabus revision for M. Tech Leather Technology and M. Tech Footwear Science and Engineering Programme has been undertaken.

(Dr. N. Selvakumar)

(Dr. J. Raghava Rao)

(Dr. T. Ramasami)

(Mr. C.S. Gnanasekaran)

(Dr. N. K. Chandrababu)

(Dr. B.N. Das)

(Mr. Md Sadiq)

(Dr. Sanjoy Chakraborty)

ABSENT

(Dr. Kanzur Rahman)

(Dr. Aravendhan)

(Prof. Nagendra Gandhi)

(Dr. B. Madhan)

(ABSENT)

(Dr. G.C. Jayakumar)

(Mr. S. Pradeep)

(Mr. G. Bharathi Raja)