

**SDM COLLEGE OF ENGINEERING & TECHNOLOGY,  
DHARWAD – 580 002**

**Department of Civil Engineering  
BOARD OF STUDIES (23.05.2022 to 22.05.2025)**

**Meeting of BOS members held on 08.08.2022 at 10.00 am**

- G: i. Review of Scheme and syllabus of III and IV semester under NEP 2020.  
 ii. Review of modification in the syllabus (to the tune of 10%) of I and II semester under NEP 2020.  
 iii. Review of modification in the syllabus (to the tune of 10%) in V to VIII semester under 2018 scheme.
- G: i. Revision of 2022 scheme for I, II, III & IV semester of M.Tech (CADS).  
 ii. Review of syllabus of I and II Semesters of M.Tech (CADS) as per 2022 scheme.  
 iii. Review of modification in the syllabus (to the tune of 10%) for III and IV semester under 2020 scheme.

| Particulars   | Name                 | Designation  | Address  | Phone No. & Email Id                        | Signature                    |
|---|----------------------|--|--|---|------------------------------|
| Chairman  | Dr.U.D.Hakari        | Head, Dept. of Civil Engg., SDM CET                          | SDM College of Engg. & Tech., Dharwad- 580 002           | 7019284887<br>civilhod@sdmcet.ac.in         | <i>U.D. Hakari</i><br>8/8/22 |
| VTU Nominee   | Dr. Manohar.C.S      | Professor in Civil Engineering, IISc, Bengaluru              | Indian Institute of Science, Bengaluru-560 012           | 9341967781<br>manohar@iisc.ac.in            | <i>Manohar</i>               |
| Experts from outside the college  | 1) Dr.Subhas Yaragal | Professor in Civil Engineering, NITK, Suratkal.              | NITK, Suratkal.  | 9448952072<br>subhashyaragal@yahoo.com      | <i>Subhas</i>                |
|   | 2) Dr. Nagaraj Patil | Asso. Professor & Chairman in Civil Engineering.             | Visvesvaraya Technological University, Belagavi -590 018 | 9964648328<br>nspatil@vtu.ac.in             | <i>N. Patil</i>              |
| Representative from industry / corporate sector / entrepreneur/ allied area | Mr. Shivanand S.M.   | Design Manager   | M/s AFCONS Infrastructures, Bangalore                    | 7483760919<br>shivananda.s@afcons.com       | <i>Shivanand</i><br>08/08/22 |
| PG meritorious alumnus  | Tilak M. Baindur     | Managing Director  | M/s Gravity Consultancy, Karwar                          | 7676377377<br>tilakbaindur@gmail.com        | <i>Tilak</i><br>08/08/22     |
| Faculty members   | 1) K.V.Pramod        | Professor, Dept. of Civil Engg., SDM CET                     | SDM College of Engg. & Tech., Dharwad- 580 002           | 9448966985<br>pramodkame626@rediffmail.com  | <i>K.V. Pramod</i><br>8/8/22 |
|   | 2) D.K.Kulkarni      | Professor, Dept. of Civil Engg., SDM CET                     | SDM College of Engg. & Tech., Dharwad- 580 002           | 9449062826<br>dilipkkulkarni@rediffmail.com | <i>D.K. Kulkarni</i>         |
|   | 3) R.J.Fernandes     | Asst. Prof., Dept. of Civil Engg., SDM CET                   | SDM College of Engg. & Tech., Dharwad- 580 002           | 9880536130<br>regi_fernandes@rediffmail.com | <i>R.J. Fernandes</i>        |
|   | 4) S.A.Kanalli       | Asst Prof., Dept. of Civil Engg., SDM CET                    | SDM College of Engg. & Tech., Dharwad- 580 002           | 8618039113<br>shravankanalli@gmail.com      | <i>S.A. Kanalli</i>          |
|   | 5) P.I.Cholappanavar | Member Secretary & Asst Prof., Dept. of Civil Engg., SDM CET | SDM College of Engg. & Tech., Dharwad- 580 002           | 9483491230<br>pic@sdmcet.ac.in              | <i>P.I. Cholappanavar</i>    |

*U.D. Hakari* 8/8/22  
HOD, Civil Engg.

**S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD  
DEPARTMENT OF CIVIL ENGINEERING**

**Meeting of Board of Studies (BOS)**

**MEETING EXCERPTS**

Date: 08.08.2022  
Time: 10:30 AM

Venue: Chamber of HOD, Civil Engg. Dept.

**Agenda:**

**UG:**

- i. Review of Scheme and syllabus of III and IV semester under NEP 2020.
- ii. Review of modification in the syllabus (to the tune of 10%) of I and II semester under NEP 2020.
- iii. Review of modification in the syllabus (to the tune of 10%) in V to VIII semester under 2018 scheme.

**PG:**

- i. Revision of 2022 scheme for I, II, III & IV semester of M.Tech (CADS).
- ii. Review of syllabus of I and II Semesters of M.Tech (CADS) as per 2022 scheme.
- iii. Review of modification in the syllabus (to the tune of 10%) for III and IV semesters under 2020 scheme.

| <b>Deliberations</b> |   |
|----------------------|---|
| Sl. No.              | Matter  |
| 1                    | Dr. U.D.Hakari, Head of Civil Engineering Department welcomed the BOS Members Dr. Manohar.C.S, Dr.Subhas Yaragal, Dr. Nagaraj Patil, Mr. Shivanand S.M. & Tilak M. Baindur, He also welcomed the internal members of BOS and also the faculty members of the department.  |
| 2                    | <b>Discussion / Finalization of Vision &amp; Mission statements of the department:</b><br>The members of BOS went through the vision and mission statements of the department and approved the same with no modification.   |
| 3                    | <b>Review of Scheme and syllabus of III and IV semester under NEP 2020:</b><br>Dr. Manohar suggested to include latest edition and year of publication in reference books. He also suggested to find the possibilities of including topic on "Introduction to Structural Health monitoring and use of sensors for maintenance of structures" and also to mention theory of simple bending in Unit-3 of Mechanics of Materials. Mr. Tilak suggested to include LIDAR and DGPS Technology in Surveying theory and practice. Dr. Subhash Yaragal suggested to change course matrix from 2-0-0 to 1-0-1. Dr. Nagaraj discussed about the importance of Drone surveying and DGPS technology and suggested to include it in curriculum. Dr. Subhash Yaragal suggested to include compass surveying in Surveying Practice Laboratory. Mr. Shivanand suggested to find the possibility of including topic on 'RCC and steel detailing software like TEKLA instead of AUTOCAD in CAD Lab.<br>With above the committee approved the same. |
| 4                    | <b>Review of modification in the syllabus (to the tune of 10%) in V to VIII semester under 2018 scheme"</b><br>After discussion and deliberations, following suggestions were made:<br>Dr. Manohar suggested to reduce contact hours for moment distribution method and replace Kani's method with matrix method for indeterminate structures in Structural Analysis-II and to rename the topic from "RC buildings" to "Framed Structures"; in Analysis and Design of Frame Structures using FEM based software in software laboratory.   |

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Dr. Nagaraj Patil suggested to find the possibility of including topic on QGIS in software lab instead of AUTOCAD.

Dr. Manohar further suggested to introduce Earthquake Resistant Structures based on equivalent static force method rather than on introducing vibration based methods for UG level. He also suggested to introduce Machine learning, Big Data, Neural Networks subjects to Civil Engineering students. Dr. Subhash Yaragal suggested to introduce open electives such as "Disaster Management and Mitigation" and "Oil and Natural Gas Engineering". The committee approved the syllabus and decided to look in to the suggestion and incorporate the same depending on availability of faculty members specialized in these subjects.

With regards to the UG students going for internships during the 8<sup>th</sup> semester, Dr. Manohar observed that, it will not be physically possible for such students to attend the classes and also that they may not be able to contribute meaningfully to the project work which they would be carrying out as project-mate of the team. He further suggested the following:

(a) All taught courses for the 8<sup>th</sup> semester students may be held online so that the students on internship would also be able to attend the classes.

(b) As far as project work is concerned, the students may opt out of the project team formed during the 7<sup>th</sup> semester and carry out his project work individually (either based on the work he is doing as a part of the internship or otherwise).


The members of the BOS deliberated on this suggestion and appreciated the concern for the students proceeding on internship in their 8<sup>th</sup> semester. The chairman of the BOS informed the members that this matter is common for the students across all the branches and hence, the same shall be brought to the notice of Dean (Academic Program) for his suggestions and further needful modalities at college level to incorporate the suggested modifications applicable for all the branches.

4 **Finalization of syllabus of all the semesters of PG Program:**

Dr.R.J.Fernandes, PG Co-ordinator informed the BOS members about the revision of the M.Tech syllabi for 2022. Dr. Manohar suggested to introduce standalone subject of Finite Element Analysis & suggested to remove Finite Element content from the rest of the courses. He also suggested to revise the elective list of both PG 1<sup>st</sup> & 2<sup>nd</sup> sem. Dr. Subhas Yaragal suggested to change the course title from: Continuum Mechanics – Classical & FE Approach" as "Solid Mechanics".  
With the above, the committee approved the syllabus.

5 **Any other matter: ---**

6 **The meeting was concluded with vote of thanks.**

  
HOD, Civil Engg.  
SDMCET, DHARWAD

*Note: The above BOS Proceedings has been approved by External & Internal members and the approval e-mails are available in the department).*

**Internal Members:**

Prof. K.V.Pramod

Dr. D.K. Kulkarni

Dr. R.J.Fernandes

Dr. S.A.Kanalli

Shri. P.I.Cholappanavar

