



DAV UNIVERSITY, JALANDHAR
Department of Mechanical Engineering

AGENDA

(Board of studies in the Department of Mechanical Engineering)

A meeting of Board of Studies in the Department of Mechanical Engineering is scheduled to be held on 26-07-2025 in office of academic affairs of DAV University, Jalandhar to discuss the following agenda:

1. To discuss and approve the outline of syllabus and course of reading for 2025 batch onwards admission for the following programs:
 - a) Bachelor of Technology in Mechanical Engineering
 - b) Bachelor of Technology (LEET) in Mechanical Engineering
 - c) B Tech-M tech Integrated in Mechanical Engineering
 - d) Master of technology in Mechanical Engineering (Full Time/Part Time)
 - e) Doctor of Philosophy (Full Time/Part Time)
2. Any other item, that the member may feel relevant for discussion.

Dated:26-07-2025


Dr Sharanjit Singh

Coordinator (Mechanical Engineering)



The meeting of Board of Studies (BOS) in the Department of Mechanical Engineering was held on 26th July, 2025 at 11.30 AM in office of academic affairs of DAV University, Jalandhar.

1. Academic Expert:

- a) Dr Anish Sachdeva, Professor, Department of Industrial and Production Engineering, NIT Jalandhar.
- b) Dr Manu Dogra, Associate Professor, Department of Mechanical Engineering, P.U. Swami Sarvanand Giri Regional Centre, Hoshiarpur.

- a) Mr P K Verma, Principal Director CIHT Jalandhar.
- b) Mr Rajkaran Singh, Director, Unison Lawn Equipment Jalandhar.

4. Alumini:

- a) Mr Vishal Sharma, M tech Mechanical Engineering (Batch 2014-2016), Presently Assistant Professor, LKIET Jalandhar,
- b) Mr Amritpal Singh, B Tech Mechanical Engineering (Batch 2014-2017), presently: Sales officer, JK tyre.

a) Mr Pardeep Singh. Reg. No: 12200446, B Tech Mechanical, 7th sem, DAV University Jalandhar

b) Mr Sahil Preet Reg No: 12401565, B Tech Mechanical, 5th sem, DAV University Jalandhar.

A. The proposed schemes were discussed at length and BOS recommended the outline of syllabi and course of reading for 2025 batch admission and onwards for the following programs:

- a) Bachelor of Technology in Mechanical Engineering

A. The proposed schemes were discussed at length and BOS recommended the outline of syllabi and course of reading for 2025 batch admission and onwards for the following programs:

a) Bachelor of Technology in Mechanical Engineering

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- e) Doctor of Philosophy (Full Time/Part Time)

B. For students admitted in Bachelor of Technology (LEET) in Mechanical Engineering 2026, the scheme and course of study applicable to 2025 batch will be followed and this trend will also continue for successive batches of admissions.

C. In Bachelor of Technology program:

- The contents and scheme of model curriculum proposed by AICTE is taken into account.
- Student pursuing B. Tech. (Mechanical Engineering) may opt for Minor Degrees like Artificial Intelligence, Machine Learning, Data Sciences, Computer science and Engineering, Agriculture Engineering and electric vehicle etc. offered by the different Departments in the University depending upon his/her interest.
- For minor degree student must attain additional 18 credits with minimum five theory subjects and project or six theory subjects from second years onwards. Any of the course in scheme of aforesaid UG courses can be offered in course work of minor degree.
- The content of such minor degree courses should not match with regular subjects of core course.
- The student(s) will submit the application for opting minor degree course to the coordinator of the department. The coordinator of the department will forward the application to the office of Academic affair for permitting the students(s) to register after duly verification and recommendation from the concerned teacher taking the course of that class for the attainment of credits for minor degree course work.
- As per NEP 2020 multiple entry and exit can be offered but strictly as per guidelines of UGC, AICTE and DAVU NEP Curricular Guidelines. Students exiting after completing 1st Year, 2nd Year and 3rd Year will be awarded Certificate, Diploma and Advanced Diploma in Mechanical Engineering respectively. A minimum Credit requirement for Certificate is 40 Credits, Diploma is 80 Credits and Advanced Diploma is 120 Credits respectively.
- Any program elective can be offered irrespective of its number or from inter disciplinary departments.

D. In the Master of Technology i.e. Mechanical Engineering (Full Time/Part Time) Program:

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- The contents and scheme of model curriculum proposed by AICTE and M Tech Mechanical Engineering (2023 batch) is considered.
- In PG courses, specializations can be offered in: Thermal Engineering, Design Engineering, manufacturing and automation engineering and Industrial Engineering etc with the recommendation of DRC (Department research committee).

E. In the Doctor of Philosophy (Full Time/Part Time) Program:

- Any of the course in scheme of aforesaid PG courses can be offered in course work of Ph D (other than mandatory courses) as per the recommendation of Ph D supervisor.

F. After discussion and deliberation about introducing the MOOC courses in UG, PG and PhD in the Department of Mechanical Engineering, the following has been resolved by the Members, Board of Studies.

- The Students of UG, PG and Ph D classes may opt any relevant course from the list of NPTEL, SWAYAM courses available on its official website <http://nptel.ac.in>, <https://swayam.gov.in> respectively against elective courses of scheme.
- The content of such MOOC courses should not match with regular/other subjects.
- The student(s) will submit the application for opting MOOC course to the coordinator of the department. The coordinator of the department will forward the application to the office Academic affair for permitting the students(s) to register after duly verification and recommendation from the concerned teacher taking the elective course of that class.
- MOOC chosen against departmental elective has to be a technical course related to mechanical engineering and for open elective course has to be from any other domain except mechanical engineering.
- The grades/marks along with copy of the certificate obtained by the student(s) from NPTEL/ SWAYAM/DAVU will be submitted to the Examination Branch (through the teacher concerned deputed by department through coordinator of the department) for entering the marks/ grades of the subject passed in the DMC.

Note: The students are advised to visit the website of NPTEL, SWAYAM for opting a particular course after following the procedure as per DAV University guidelines and are responsible for their registration as well as other terms and conditions to be fulfilled as laid down by NPTEL/SWAYAM.

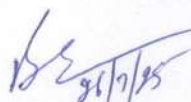
For UG, PG and Ph D if required Department electives, open electives, Value added, Audit course, Ability enhancement and Generic elective courses can be opted from the basket provided by


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different deptt of university or from DAVU NEP Curricular Guidelines strictly as per credits provided in scheme of programme.


If department offers B Tech-M tech Integrated in Mechanical Engineering, for first three years scheme of B Tech mechanical engineering is followed and from 4th year onwards scheme of M Tech mechanical Engineering should be followed.

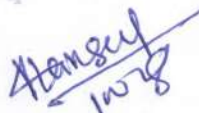
Signature of Member Present:


Dr Anish Sachdeva
Professor, Department of IPE
NIT Jalandhar.

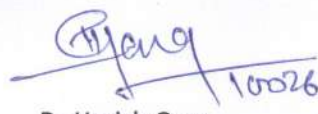

Dr Manu Dogra
Associate Professor, Department of ME
P.U. Regional Centre, Hoshiarpur.


Mr PK Verma,
Principal Director (CI/c)
CIHT Jalandhar


Mr Rajkaran Singh
Director,
Unison Lawn Equipment Jalandhar.

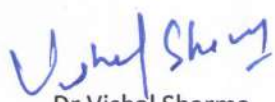

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DAV University Jalandhar


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