



**DAYANANDA SAGAR UNIVERSITY**  
**Department of Mechanical Engineering,**

**School of Engineering**

**Minutes of Meeting – X BOS**

**Subject:** Board of Studies- Bachelor of Technology (Mechanical Engineering-ME),

**Venue:** online

**Link to Join:** <https://zoom.us/j/9060841464>

**Date:** Thursday, 26/05/2022

**Agenda**

Sl. No	Details
1	Introduction of NEP into the curriculum and its implications
2	Finalization of B Tech Mechanical Engineering curriculum for the academic year 2022-23 broadly following NEP
3	Finalization of M.Tech –Design Engineering Curriculum for the academic year 2022-23
4	Updation on development of syllabi for previously approved schemes (2019-20, 2020-21, 2021-22) for B.Tech Mechanical Engineering
5	Any other academic matter



## DAYANANDA SAGAR UNIVERSITY

### List of BoS members and faculties present:

Sl. No.	NAME	DESIGNATION
1	Dr. K Ramachandra	Former Director, GTRE, Prof. Department of Aerospace, RVCE Bangalore
2	Dr. Ashitava Ghosal	Professor 'Dept. of Mechanical Engineering, Indian Institute of Science, Bangalore.
3	Dr. K. Venkateshwaralu	Scientist, National Aerospace Laboratories, Bangalore
4	Dr. S. Seetharama	Additional Director Central Power Research Institute ,Bangalore
5	Dr. S S Katte	Professor Mechanical Engineering, Director, IQAC - Dayananda Sagar University
6	Dr. Rammohan Bhanumurthy	Professor Department of Mechanical Engineering
7	Dr. Vinayak Hemadri	Associate Professor, Department of Mechanical Engineering, DSU
8	Dr. Saravanabavan	Associate Professor, Department of Mechanical Engineering, DSU
9	Dr.Viswanathan R	Associate Professor, Department of Mechanical Engineering, DSU
10	Prof. Shahidhar L C	Assistant Professor, Department of Mechanical Engineering, DSU



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### **Points Discussed and Observations:**

Chairman Mechanical Engineering, Dr. Vinayak Hemadri welcomed all the members and briefed the agenda.

The observations during the discussion are presented below.

### **Agenda 1**

#### **Introduction of NEP into the curriculum and its implications**

Chairman Mechanical engineering deliberated upon the introduction of NEP into the curriculum for B.Tech program in Mechanical engineering for the academic year 2022-23. The initiation taken by the Department in implementing NEP guidelines for HEI's through holistic development of learning, reduce curriculum content to enhance essential learning and critical thinking, experiential learning, empowering students through flexibility in course choices have been discussed. The aspect of Curricular Integration of Essential Subjects, Skills, and Capacities has been discussed with reference to the curriculum for B.Tech program 2022-23. A discussion on multiple exit, entry and academic bank of credits (ABC) has been initiated. Members suggested for keen look into the merits and demerits of the scheme and to prepare a road map by 2025.

BOS members appreciated the efforts taken by the Department in implementing NEP into the curriculum.



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### Agenda 2

#### 2. Finalization of B Tech Mechanical Engineering curriculum for the academic year 2022-23 broadly following NEP

A detailed discussion on curriculum for B. Tech Mechanical Engineering has been initiated by Chairman Mechanical Engineering. Semester wise distribution of courses and new courses on experiential learning, interdisciplinary courses, liberal studies, professional electives and specialization streams in the curriculum has been presented to the members.

- **III Semester:**

The course on python programming and a basic course on Electronics and Microprocessor has been introduced in the III semester curriculum. The advantages of introducing the courses for Mechanical Engineering has been discussed in detail. Dr Ramachandran suggested to have a common course title across all the Departments for a course on experiential learning. Dr. Ashitava Ghosal and Dr Venkateshwarulu highlighted upon pedagogy involved in evaluation of course on experiential learning.

- **IV Semester**

The introduction of new courses on Instrumentation and control and Fundamentals of Artificial intelligence and Machine learning to the fourth semester curriculum has been agreed and appreciated by the BOS members. The mode of evaluation for experiential learning has been discussed highlighting the autonomy given to the faculty in deciding the CIA components with proper approval from the concerned authorities. Prof. Subramannya Katte expressed his views on thermal based subject load sharing for even semesters.

- **V Semester**

BOS members expressed their agreement for the introduction of advanced course on Microprocessors and Microcontrollers, Cloud computing and Data Processing for Mechanical Engineers for the V semester curriculum. A course on Industrial Automation and Robotics also introduced to the V semester curriculum. The advantages of interdisciplinary courses has been discussed all the BOS members expressed the need



### **DAYANANDA SAGAR UNIVERSITY**

interdisciplinary courses into B Tech Mechanical Engineering curriculum. Dr Ramachandran and Dr Seetharama emphasized upon Department preparedness to handle these interdisciplinary courses. The faculty pool required to handle these courses can be employed from other Departments or Adjunct faculty from Industry.

A detailed discussion on Specialization streams on Robotics and Automation, Additive Manufacturing, Hybrid & Electric vehicles has been carried out and open electives offered by the Department has been presented.

- VI, VII and VIII semester

New courses on Image processing, Smart materials and Structures and Thermal management of Electronic devices are introduced in the Sixth Semester curriculum. The process of selection courses for a particular semester is based on stake holder's feedback with emphasis on current industry requirements has been elaborated. Similarly VII and VIII semester curriculum has been discussed in detail.

The semester wise distribution of courses and category wise credits allotted is also presented and BOS members extended their agreement with current scheme proposed for B.Tech program in Mechanical Engineering for 2022-23 batch. On an average 25% of the scheme has been revised considering the latest requirements.

#### **Agenda 3**

#### **Finalization of M.Tech -Design Engineering Curriculum for the academic year 2022-23**

Dr Sarvanabavan presented M.Tech curriculum for Design Engineering for the year 2022-2023. M.Tech Design Engineering scheme and syllabus is reviewed by the BoS members and approved for the 60-40 scheme of evaluation.



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- As per the feedback collected from the students Solid Mechanics and Finite element Analysis courses in 1<sup>st</sup> semester are retained as laboratory integrated courses of 4 credits.
- Advanced Materials & Manufacturing Technology and Advanced Machine Design courses (4 credits) in the 2<sup>nd</sup> semester are also retained as lab integrated courses.
- All Department elective courses offered for three credits are without lab integration.
- An average of 30% of the M.Tech syllabus is modified.
- Mechatronics course has been introduced as department elective as per the suggestions of BOS members.

### Agenda 4

#### Updation on development of syllabi for previously approved schemes (2019-20, 2020-21, 2021-22) for B.Tech Mechanical Engineering

As per the suggestions from BOS members in the previous BOS meetings the syllabi for 2019-20 -VII and VIII semester, 2020-21-V and VI semester, 2021-22-III and IV semester has been prepared and updated to BOS members.

### Agenda 5

#### Any other academic matter

Chairman Mechanical engineering briefed BOS members about funded projects, consultancy work carried out by Department faculty and students.

At the conclusion of meeting, Chairman - Mechanical engineering thanked all the members for their valuable suggestions and time.

  
07.06.22  
Chairman Mechanical Engineering.

**Chairman**  
**Dept. of Mechanical Engineering**  
**School of Engineering**  
**Dayananda Sagar University**  
**Kudlu Gate, Hosur Main Road,**  
**Bengaluru-560 114.**



**DAYANANDA SAGAR UNIVERSITY**  
**Department of Mechanical Engineering,**

**School of Engineering**

**Minutes of Meeting – IX BOS**

**Subject:** Board of Studies- Bachelor of Technology (Mechanical Engineering-ME),

**Venue:** online

**Link to Join:** : <https://meet.google.com/ecv-tgrx-oiu>

**Date:** Thursday, 13/05/2021

**Agenda**

Sl. No	Details
1	2021-22 scheme (60:40): Review of Scheme from I to VIII semesters and syllabus for I and II semesters
2	2020-21 scheme (60:40): Review of syllabus for III and IV semesters and Scheme from V to VIII semesters
3	2019-20 scheme (50:50): Review of scheme from V to VIII semesters (Approved) and syllabus for V and VI semesters
4	Deliberations on "Suggestions from BOS-Members"
5	Any other academic matter



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**List of BoS members and faculties present:**

<b>Sl. No.</b>	<b>NAME</b>	<b>DESIGNATION</b>
1	<b>Dr. K Ramachandra</b>	Former Director, GTRE, Prof. Department of Aerospace, RVCE Bangalore
2	<b>Dr. Ashitava Ghosal</b>	Professor 'Dept. of Mechanical Engineering, Indian Institute of Science, Bangalore.
3	<b>Dr. B. Gurumoorthy</b>	Professor 'Dept. of Mechanical Engineering, Indian Institute of Science, Bangalore
4	<b>Dr. K. Venkateshwaralu</b>	Scientist, National Aerospace Laboratories, Bangalore
5	<b>Dr. Dasarathi G V</b>	Director Applications CADEM Technologies Pvt. Ltd -Bangalore
6	<b>Dr. S. Seetharama</b>	Additional Director Central Power Research Institute ,Bangalore
7	<b>Dr C P S Prakash</b>	Principal , Dayanand Sagar College of Engineering, Bangalore
8	<b>Dr. S S Katte</b>	Professor Mechanical Engineering, Director, IQAC - Dayananda Sagar University
9	<b>Dr. Rammohan Bhanumurthy</b>	Professor Department of Mechanical Engineering
10	<b>Dr. Vinayak Hemadri</b>	Associate Professor, Department of Mechanical Engineering, DSU
11	<b>Dr. Saravanabavan</b>	Associate Professor, Department of Mechanical Engineering, DSU
12	<b>Dr. Mritunjayaswamy K M</b>	Associate Professor, Department of Mechanical Engineering, DSU



### DAYANANDA SAGAR UNIVERSITY

13	Dr. S. Manoj	Assistant Professor, Department of Mechanical Engineering, DSU
14	Dr. M.S. Rajagopal	Professor & Chairman, Department of Mechanical Engineering, DSU

#### Points Discussed and Observations:

Chairman Mechanical Engineering, Prof. M S Rajagopal welcomed all the members and briefed the agenda. He also introduced Prof S S Katte, and Prof. Rammohan Bhanumurthy to the members.

The observations during the discussion are presented below.

#### Agenda 1

**2021-22 scheme (60:40) Review of Scheme from I to VIII semesters and syllabus for I and II semesters**

Chairman Mechanical engineering deliberated upon the scheme for 2021-22, curriculum for B.Tech degree program in Mechanical Engineering. He mentioned that the overall credits for this scheme is in line with the recommendation of AICTE and is 160 credits. He presented the overall scheme with credits break-up for the B.Tech degree program and also briefed the members about integrated specialization streams offered within the framework of available credit system.

The difference between the previous scheme (2020-21) and the current scheme (2021-22) is discussed by bringing out the following points...

- Keeping in pace with the New education policy (NEP) recommendations total of 12 credits for courses on liberal studies (LS) has been introduced. The basket of courses introduced under LS were discussed.



### **DAYANANDA SAGAR UNIVERSITY**

- A Basic science (BS) course on health sciences in lieu of Biological sciences and two new courses of 1 credit each on “How things work (I & II)” under Engineering science (ES) course are introduced in I& II semester. The broad content of the courses were discussed. BOS members welcomed this proposed changes.
- Four courses on Mathematics, each of 3 credits are offered in semesters I to IV, with a total of 12 credits as compared to 3 courses of Mathematics each with 4 credits in 2020-21 scheme. The common Mathematics courses proposed for Mechanical, Aerospace and ECE branches during I & II semesters are Linear Algebra & Calculus (I Semester) and Transforms & Differential Equations (II Semester). For the Mechanical branch , Applied Numerical Methods is proposed in III semester and course syllabus for IV semester is yet to be decided.
- Constitution of India and Kannada Kali are made credit courses and are offered under Liberal Studies.
- A LS course on Design thinking studio in lieu of the Design Thinking & Innovation course (2020-21 scheme) has been introduced with one credit. This course broadly covers design aspects involved with product development through studio concept rather than the standard lecture approach.
- A fundamental course on AI and ML is proposed to be introduced in III semester

Mr. Dasarathi G V opened up the discussion on macro perspective of content of the curriculum for Mechanical Engineering degree program. He emphasized on the importance of core courses in mechanical engineering domain rather than deviating attention on multidisciplinary courses. All the BOS members present agreed on the importance of fundamental core courses in Mechanical Engineering to be studied in depth, but emphasized that the multi-disciplinary courses are also important and hence a balance has to be maintained.

Dr. Rajagopal presented the break-up for the 2021-22 scheme and it was observed that 63 credits have been allotted for the mechanical professional core courses which was appreciated by the members present.



### DAYANANDA SAGAR UNIVERSITY

It was unanimously agreed to include industry specific courses to impart skill and knowledge based on the feedback from BOS members. The curriculum also should focus for higher education, R&D opportunities of the students.

Dr S S Katte highlighted upon the challenges involved with Mechanical Engineering and suggested for judicious inclusion of multidisciplinary courses without compromising on core content. Further, he emphasized on measurement of course outcomes and implementation of qualitative aspects in continuous assessment and evaluation.

During the discussion on specialization courses, Dr. S. Seetharama emphasized upon introduction of specialization verticals on green energy. Dr. CPS Prakash highlighted upon inclusion of MOOC based courses in the curriculum. Dr. Ghosal pointed out that some of the Mechatronics courses are being offered under Robotics. If Mechatronics specialization is also introduced, then they have to be brought under this specialization.

BOS members agreed for the above proposed modifications in 2021-22 scheme.

#### Agenda 2

**2020-21 scheme (60:40): Review of syllabus for III and IV semester, Scheme from V to VIII semesters**

Chairman Mechanical engineering presented the overall scheme for III to VIII semesters and detailed syllabus content for III-IV semester. BOS members suggested that standard text books must be specified which was also highlighted by Dr. Katte.

All the members agreed for the course content as well as credits allotted. Changes related to referencing, standardizing the templates are to be finalized.

#### Agenda 3

**2019-20 scheme (50:50): Review of scheme V to VIII semesters (Approved)**

Chairman Mechanical engineering presented the scheme for V-VIII semester and all the members agreed for the course content as well as the credits allotted.



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### Agenda 4

#### Deliberations on "Suggestions from BOS-Members"

Prof. Rajagopal deliberated upon the suggestions incorporated in the curriculum as per suggestions by the BOS members. Dr. K Ramachandra suggested for specific title for specialization and Minor degree program courses.

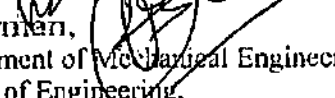
### Agenda 5

#### Any other academic matter

With reference to the discussion on Student Internships by Dr. Rajagopal, Dr. K. Ramachandra mentioned that the University should take the initiative and the industry based projects must be carried out at the Institute under the guidance of DSU faculty in collaboration with the industries. He also mentioned that all faculty members must be trained for teaching delivery under "Train the Trainer" concept ensuring students to be industry ready.

Dr. K. Ramachandra requested to provide the rubrics for evaluation and Dr. Katte agreed to provide the same.

At the conclusion of meeting. Chairman - Mechanical engineering thanked all the members for their valuable suggestions and time.

  
Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.

Chairman Mechanical Engineering.



Dayananda Sagar  
University

Chairman MECH <chairman-me@dsu.edu.in>

**Board of Studies (BOS) Online Meeting of B.Tech (Mechanical Engineering Program on 13.05.21 (Thursday) at 10.00 A.M-00 P.M.**

26 messages

Chairman MECH <chairman-me@dsu.edu.in>

Tue, May 11, 2021 at 3:57 AM

To: B Gurumoorthy <bgm@iisc.ac.in>, A Goshal <asitava@mecheng.iisc.ernet.in>, Ramachandra <drkrc2006@gmail.com>, Venkeshwaralu <karodi2002@yahoo.co.in>, P Sriram <sriram.p@rapsri.com>, Dasharathi <das@cadem.com>, D C Agarwal <dcagar@gmail.com>, "Dr. CPS Prakash" <principal.dsce@yahoo.com>, "Prakash C.P.S" <drcpsprakash@gmail.com>, Seetharamu Subramanyam <ssramu278@gmail.com>  
Cc: "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, "Prof. Anitha R" <coe@dsu.edu.in>, dsu-mech-faculty@googlegroups.com

**Greetings from the Department of Mechanical Engineering, Dayananda Sagar University.**

We sincerely thank you for providing valuable feedback on the modifications proposed for the B.Tech & M.Tech 2020-21 schemes.

We are in the process of the implementation of "University with Difference" involving changes in teaching delivery, continuous assessment and evaluation processes under your guidance. Further, we are also trying to implement the proposed modifications as per the new education policy NEP2020.

Considering the current pandemic Covid situation of second wave, we have scheduled an on-line interactive BOS meeting on Thursday between 10 A.M and 12.00 Noon. We request your virtual presence for giving valuable inputs towards implementation of proposed modifications for 2020-21 and 2021-22 schemes. The link for the online meeting is given below.

Video call link: <https://meet.google.com/ecv-tgrx-oiu>

The agenda for the BOS meeting is given below.

1. 2020-21 Scheme : Approval for Mechanical III & IV Semester detailed syllabus and scheme for V to VIII semester (Enclosed)

This scheme is quite similar to the approved 2019-20 syllabus except that the "Continuous Internal Assessment" marks have been increased from 50 to 60 Marks. The professional electives have been grouped under 3 major specializations viz. i.Robotics & Automation ii. Additive Manufacturing iii. Electric & Hybrid Vehicles

2. 2021-22 Scheme : Approval for overall scheme from I to VIII semesters and detailed syllabus of I year Mechanical Engineering subjects (Enclosed)

Liberal studies basket has been created and 12 credits of LS are being implemented. Two courses based on "Data Structures & Programming" are being introduced in I year for all disciplines of Engineering students.

Dr. Saravana has also shared the Google meet invite.

Thanks & Regards,

Prof. M.S. Rajagopal  
Chairman, Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate


Bengaluru- 560 068.

Mobile: +91-9900977220  
Email : chairman-me@dsu.edu.in  
msrajagopal@yahoo.com

Website : www.dsu.edu.in

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2 attachments

 MECH-Scheme-2021-22\_60-40 as per AICTE.docx  
106K

 MECH - 2020-21, 60-40, 3& 4 SEM General ,SCHEME & SYLLABUS.doc  
401K

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**karodivenkateswarlu** <karodi2002@yahoo.co.in>  
To: Chairman MECH <chairman-me@dsu.edu.in>

Tue, May 11, 2021 at 6:52 AM

Dear Sir,  
We are in touch with prof saravanan. Thanks fir your kind information. I shall attend the meeting.  
Thanks  
Venkateswarlu

Sent from my iPhone

On 11-May-2021, at 4:27 PM, Chairman MECH <chairman-me@dsu.edu.in> wrote:

[Quoted text hidden]  
<MECH-Scheme-2021-22\_60-40 as per AICTE.docx>  
<MECH - 2020-21, 60-40, 3& 4 SEM General ,SCHEME & SYLLABUS.doc>

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**Dasarathi** <das@cadem.com>

Tue, May 11, 2021 at 9:49 AM

To: Chairman MECH <chairman-me@dsu.edu.in>, B Gurumoorthy <bgm@iisc.ac.in>, A Goshal <asitava@mecheng.iisc.ernet.in>, Ramachandra <drkrc2006@gmail.com>, Venkeshwaralu <karodi2002@yahoo.co.in>, P Sriram <sriram.p@rapsri.com>, D C Agarwal <dcagar@gmail.com>, "Dr. CPS Prakash" <principal.dsce@yahoo.com>, "Prakash C.P.S" <drocpsprakash@gmail.com>, Seetharamu Subramanyam <ssramu278@gmail.com>  
Cc: "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, "Prof. Anitha R" <coe@dsu.edu.in>, dsu-mech-faculty@googlegroups.com

Hello Prof. Rajagopal.

I'm glad that you want DSU to be a "University with Difference".  
This is exactly what I had in mind when I made a set of recommendations 6 years ago in a BOS meeting.

I'd love to know from DSU representatives on the BOS:


1. Has anyone in DSU read this document ?
2. If yes, what is your opinion on the points that I have raised in the document ? Which do you agree with, and which do you disagree with ?
3. If you agree with any of the points, what action has been taken on them in the past 6 years ? In what ways do the current scheme and syllabus reflect these points ?

Regards,

**Dasarathi GV (Das)** | Director - Applications

Cadem Technologies Pvt. Ltd. | <http://www.cadem.com>  
 Mobile : +91-9845858188 | Email: [das@cadem.com](mailto:das@cadem.com)

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 BOS meet 17-4-15-suggestions-Dasarathi.doc  
 31K

Chairman MECH <[chairman-me@dsu.edu.in](mailto:chairman-me@dsu.edu.in)>  
 To: karodi venkateswarlu <[karodi2002@yahoo.co.in](mailto:karodi2002@yahoo.co.in)>

Tue, May 11, 2021 at 9:07 PM

Thanks for confirmation.

Regards  
 Dr. Rajagopal  
 [Quoted text hidden]

**Dr. Sriram P** <[sriram.p@rapsri.com](mailto:sriram.p@rapsri.com)>

Tue, May 11, 2021 at 10:44 PM

To: Dasarathi <[das@cadem.com](mailto:das@cadem.com)>, Chairman MECH <[chairman-me@dsu.edu.in](mailto:chairman-me@dsu.edu.in)>, B Gurumoorthy <[bgm@iisc.ac.in](mailto:bgm@iisc.ac.in)>, A Goshal <[asitava@mecheng.iisc.emet.in](mailto:asitava@mecheng.iisc.emet.in)>, Ramachandra <[drkrc2006@gmail.com](mailto:drkrc2006@gmail.com)>, Venkeshwaralu <[karodi2002@yahoo.co.in](mailto:karodi2002@yahoo.co.in)>, D C Agarwal <[dcagar@gmail.com](mailto:dcagar@gmail.com)>, "Dr. CPS Prakash" <[principal.dsce@yahoo.com](mailto:principal.dsce@yahoo.com)>, "Prakash C.P.S" <[drcpsprakash@gmail.com](mailto:drcpsprakash@gmail.com)>, Seetharamu Subramanyam <[ssramu278@gmail.com](mailto:ssramu278@gmail.com)>  
 Cc: "Dr. KNB Murthy" <[vicechancellor@dsu.edu.in](mailto:vicechancellor@dsu.edu.in)>, Registrar DSU <[registrar@dsu.edu.in](mailto:registrar@dsu.edu.in)>, "Dr.A.Srinivas Dayananda Sagar University" <[dean-engg@dsu.edu.in](mailto:dean-engg@dsu.edu.in)>, "Prof. Anitha R" <[coe@dsu.edu.in](mailto:coe@dsu.edu.in)>, [dsu-mech-faculty@googlegroups.com](mailto:dsu-mech-faculty@googlegroups.com)

Agree with almost all recommendations given by Mr Dasarathi. Few schools in India have already introduced the type of learning that assists students to deliver in a workplace.

Ex Nirma University.

Also, tie up with industries and businesses for project on live problems in their plant/office.

Further, technical staff including professors should take a sabbatical in industries/businesses. 2 months every alt year or every 3 yrs.

Syllabus can be common for 4 sem and later 4 sem tailor made to aptitudes of students Ex Manufacturing/Business oriented ie professionals

working for companies, academic oriented or research oriented. This will help students in not learning excess theory which will not be employed in future.

Students need to have flexibility in dropping credits or taking additional credits, select non syllabus courses in other streams etc.

Many of these thoughts are already being implemented in new colleges in stages.

Undersigned has sent the comments in case he is not able to join tomorrow. I am involved 6 days in a Covid centre providing dialysis and ICU facilities.

Best Regards

Sriram p

[Quoted text hidden]

**Chairman MECH** <chairman-me@dsu.edu.in>  
**To: Dasarathi** <das@cadem.com>

Wed, May 12, 2021 at 1:50 AM

Cc: B Gurumoorthy <bgm@iisc.ac.in>, A Goshal <asitava@mecheng.iisc.ernet.in>, Ramachandra <drkrc2006@gmail.com>, Venkeshwaralu <karodi2002@yahoo.co.in>, P Sriram <sriram.p@rapsri.com>, D C Agarwal <dcagar@gmail.com>, "Dr. CPS Prakash" <principal.dsce@yahoo.com>, "Prakash C.P.S" <drcpsprakash@gmail.com>, Seetharamu Subramanyam <ssramu278@gmail.com>, "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, "Prof. Anitha R" <coe@dsu.edu.in>, dsu-mech-faculty@googlegroups.com

Dear Mr. Dasarathi,

Thanks for bringing these points for discussion. Indeed the points raised by you such as : problem solving skills, skills based learning through projects, industry-institute-interaction liberal studies has also been advised by AICTE.

We at DSU has put in our best efforts to implement these critical ideas. As suggested by you sir, the no. of credits has been reduced from 182 to 160 credits without compromising on learning & content. The focus is to learn more & better per credit.

Your suggestions have also been seconded by other BOS members and surely we will implement it to reach the students. Some of the most important changes are lab component has been introduced in most of the subjects either hands-on or simulation based tools including CAD/CAM/CAE/MATLAB tools besides innovation labs including Bosch Rexroth collaboration for Automation Technologies and Autodesk collaboration for product design lab which has Maker's space too.

Our Hon. Vice Chancellor sir holds Deans and Chairpersons meeting every week and we discuss on current technologies and implementation strategies and the "Points discussed" are minuted and circulated to all faculty members also.

Going forward, we will discuss further in tomorrow's session to maximize benefit for student community who will be the citizens of tomorrow.

Once again, we value your inputs and thanks sir for the same.

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**Prof. Subrahmanya Katta** <drsskatta@dsu.edu.in>

Wed, May 12, 2021 at 2:24 AM

To: Chairman MECH <chairman-me@dsu.edu.in>  
 Cc: Vinayak Hemadri <vinayak-me@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>

Dear Sir,

Thank you for the invite.

With respect to course contents contents for the 20-21 scheme, I have the following observations / suggestions:

1. Credit distribution is not correct for CAMD, based on LTPCS given, it should add up top 3 credits, not 4.

2. For IV semester, total credits is far less compared to other semesters.
3. 20ME2301 Engg Maths: There are three text books listed. It would be better to list not more than 2 text books for each course covering entire content. Three text books for a course may look unreasonable to a student. For some courses, 5 text books have been listed, and it is unreasonable, really.
4. 20ME2301 Engg Maths: In Modules 4 and 5, some applications have to be added like Laplace equation, heat equation and so on.
5. Course objectives and outcomes are not listed for all courses. Please check.
6. For many courses, there are too many course objectives, these may be cut down in numbers.
7. For many courses, course outcomes are not following OBE parameters. They are not measurable and action verbs have not been used. Please check the guidelines given by IQAC in ppt as well as a document I sent earlier.
8. For course contents, a standard template has not been used. Some courses give Module classification, where as some not.
9. 20ME2304 Thermodynamics: The contents in Module 5 concerned to ideal gas should go to Module 1. The ideal gas equation, with all its various forms, are needed for all problems in Module 2, 3, and 5. The text book listed has no author (author's name missing)! Instead of Ref 2 and 3, you may list other, new, better, and easier to understand book like, Cengel and Boles, J P Holman. Apparently, for many courses, in the books list, author's name is not listed.
10. 20ME2306 Measurements: The course contents have to be fully changed and to be made numerical problems oriented, not just descriptions. The following books are better for this: i) Measurements by Doebelin, ii) Experimental methods for engineers by J P Holman, iii) Measurements by S P Venkateshan.
11. 20ME2401 Applied Thermodynamics: The Module 5 Clean Energy Technologies is not a part of applied thermodynamics. Rather, it is taken from power plants engg. These contents do not fit in to the title of course at all. These things are to be removed. Alternatively, any other topic may be included, for eg. Compressible flow / gas dynamics.

Regards,  
Dr. Katte.

[Quoted text hidden]

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You received this message because you are subscribed to the Google Groups "DSU MECH FACULTY" group.  
To unsubscribe from this group and stop receiving emails from it, send an email to dsu-mech-faculty+unsubscribe@googlegroups.com.

To view this discussion on the web visit <https://groups.google.com/d/msgid/dsu-mech-faculty/CAAxY83dMHOKo0ncACk76%2BDxKgaKCdZxOffiXjysDKpNRg%3DAEoA%40mail.gmail.com>.

--

ಡಾ|| ಸುಬ್ರಹ್ಮಣ್ಯ ಎಸ್. ಕಟ್ಟೆ

Dr. Subrahmanya S. Katte, Ph.D. (IIT Madras)

Professor of Mechanical Engineering and Director - IQAC



Wed, May 12, 2021 at 2:58 AM

**Chairman MECH** <chairman-me@dsu.edu.in>

To: "Prof. Subrahmanya Katte" <drsskatte@dsu.edu.in>

Cc: Vinayak Hemadri <vinayak-me@dsu.edu.in>, "Dr. Saravanabavan D" <saranbav-me@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>

Dear Dr. Katte,

Please see my reply in blue color and we will try to implement suggestions wherever feasible. I am having a meeting with Dr. Vinayak & Dr. Saravana at 7.30 P.M.

1. Credit distribution is not correct for CAMD, based on LTPCS given, it should add up top 3 credits, not 4.

Dr. Saravana : Please check and it should be 3 credits. in

2. For IV semester, total credits is far less compared to other semesters.

Yes. Actually earlier the total credits was 156 and as per AICTE it should be made 160. WE had to add one course in V semester. Hon. VC sir wants VII & VIII load to be less enabling students for internship. Considering Lateral entry students, we do not want to load in III & IV.

3. 20ME2301 Engg Maths: There are three text books listed. It would be better to list not more than 2 text books for each course covering entire content. Three text books for a course may look unreasonable to a student. For some courses, 5 text books have been listed, and it is unreasonable, really.

We will discuss with Dr. Mahalaxmi madam.

4. 20ME2301 Engg Maths: In Modules 4 and 5, some applications have to be added like Laplace equation, heat equation and so on.

Yes, certainly. In PDE, we can add Heat & Wave equations.

5. Course objectives and outcomes are not listed for all courses. Please check.

We have another format, where we have objectives & outcomes. In the printed version, objectives and outcomes are not included in scheme & syllabus. I think this version is presented to BOS.

6. For many courses, there are too many course objectives, these may be cut down in numbers.

Yes. Could be made lesser since pedagogy/lesson plan will be detailed.

7. For many courses, course outcomes are not following OBE parameters. They are not measurable and action verbs have not been used. Please check the guidelines given by IQAC in ppt as well as a document I sent earlier.

We need to revisit and check compliance with Bloom's Taxonomy. Thanks for pointing out this.

8. For course contents, a standard template has not been used. Some courses give Module classification, where as some not.

ok.

9. 20ME2304 Thermodynamics: The contents in Module 5 concerned to ideal gas should go to Module 1. The ideal gas equation, with all its various forms, are needed for all problems in Module 2, 3, and 5. The text book listed has no author (author's name missing)! Instead of Ref 2 and 3, you may list other, new, better, and easier to understand book like, Cengel and Boles, J P Holman. SApparently, for many courses, in the books list, author's name is not listed.

Dr. Vinayak : We will discuss this during our evening meeting. If we can make these changes quickly, we will do.

10. 20ME2306 Measurements: The course contents have to be fully changed and to be made numerical problems oriented, not just descriptions. The following books are better for this: i) Measurements by Doebelin, ii) Experimental methods for engineers by J P Holman, iii) Measurements by S P Venkateshan.

This may require time.

11. 20ME2401 Applied Thermodynamics: The Module 5 Clean Energy Technologies is not a part of applied thermodynamics. Rather, it is taken from power plants engg. These contents do not fit in to the title of course at all. These things are to be removed. Alternatively, any other topic may be included, for eg. Compressible flow / gas dynamics.

I will discuss with Dr. Vinayak & Dr. Swamy.

Thanks & Regards,

Prof. M.S. Rajagopal  
 Chairman, Department of Mechanical Engineering,  
 Dayananda Sagar University,  
 Hosur Main Road, Kudlu Gate  
 Bengaluru- 560 068.

Mobile: +91-9900977220  
 Email : chairman-me@dsu.edu.in  
 msrajagopal@yahoo.com

Website : www.dsu.edu.in

----- Forwarded message -----

From: Prof. Subrahmanya Katte <drsskatte@dsu.edu.in>

Date: Wed, May 12, 2021 at 2:54 PM

Subject: Re: Board of Studies (BOS) Online Meeting of B.Tech (Mechanical Engineering Program on 13.05.21 (Thursday)  
 at 10.00 A.M.00 P.M

[Quoted text hidden]

[Quoted text hidden]

Wed, May 12, 2021 at 9:40 AM

**Dasarathi** <das@cadem.com>

To: Chairman MECH <chairman-me@dsu.edu.in>

Cc: B Gurumoorthy <bgm@iisc.ac.in>, A Goshal <asitava@mecheng.iisc.ernet.in>, Ramachandra <drkrc2006@gmail.com>, Venkeshwaralu <karodi2002@yahoo.co.in>, P Sriram <sriram.p@rapsri.com>, D C Agarwal <dcagar@gmail.com>, "Dr. CPS Prakash" <principal.dsce@yahoo.com>, "Prakash C.P.S" <drcpsprakash@gmail.com>, Seetharamu Subramanyam <ssramu278@gmail.com>, "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, "Prof. Anitha R" <coe@dsu.edu.in>, dsu-mech-faculty@googlegroups.com

Hello Prof. Rajagopal.

**Attached is a document with my thoughts on the BE Mechanical scheme.**

I happen to be a manufacturing guy, with no knowledge of design, thermal engineering, etc.  
 My suggestions therefore have no points on these topics.

**I also totally concur with Dr. Sriram's ideas, reproduced below:**

- Few schools in India have already introduced the type of learning that assists students to deliver in a workplace. Ex. Nirma University.
- Also, tie up with industries and businesses for project on live problems in their plant/office.
- Further, technical staff including professors should take a sabbatical in industries/businesses. 2 months every all year or every 3 yrs.
- Syllabus can be common for 4 sem and later 4 sem tailor made to aptitudes of students
- Ex. Manufacturing/Business oriented ie professionals working for companies, academic oriented or research oriented.
- This will help students in not learning excess theory which will not be employed in future.
- Students need to have flexibility in dropping credits or taking additional credits, select non syllabus courses in other streams etc.

**Dr. Sriram's ideas also gave rise to this thought:**

Manufacturing is the largest employer of Mechanical engineers in India (and a lot of other countries worldwide).

Does it make sense for DSU to become a specialist institution for manufacturing, turning out engineers with a very thorough grounding in manufacturing processes and productivity improvement ?

By manufacturing I mean the whole gamut - metal cutting, metal forming, plastics, food, pharma, chemicals, etc.

The processes may vary, but basic systems and productivity improvement concepts are the same: machine uptime, downtime, rejection, OEE, Kaizen, 5S, the use of Industry 4.0, etc.

Sorry about sending this document so late, but it'll be great if the Board can go through it before the meeting tomorrow.


Regards,

**Dasarathi GV (Das)** | Director - Applications

Cadem Technologies Pvt. Ltd. | <http://www.cadem.com>

Mobile : +91-9845858188 | Email: [das@cadem.com](mailto:das@cadem.com)

[Quoted text hidden]

 **Suggestions-May-13-BOS-DSU-Dasarathi.docx**  
18K

Wed, May 12, 2021 at 10:20 AM

**Chairman MECH** <[chairman-me@dsu.edu.in](mailto:chairman-me@dsu.edu.in)>

To: Dasarathi <[das@cadem.com](mailto:das@cadem.com)>

Cc: B Gurumoorthy <[bgm@iisc.ac.in](mailto:bgm@iisc.ac.in)>, A Goshal <[asitava@mecheng.iisc.ernet.in](mailto:asitava@mecheng.iisc.ernet.in)>, Ramachandra <[drkrc2006@gmail.com](mailto:drkrc2006@gmail.com)>, Venkeshwaralu <[karodi2002@yahoo.co.in](mailto:karodi2002@yahoo.co.in)>, P Sriram <[sriram.p@rapsri.com](mailto:sriram.p@rapsri.com)>, D C Agarwal <[dcagar@gmail.com](mailto:dcagar@gmail.com)>, "Dr. CPS Prakash" <[principal.dsce@yahoo.com](mailto:principal.dsce@yahoo.com)>, "Prakash C.P.S" <[drcpsprakash@gmail.com](mailto:drcpsprakash@gmail.com)>, Seetharamu Subramanyam <[ssramu278@gmail.com](mailto:ssramu278@gmail.com)>, "Dr. KNB Murthy" <[vicechancellor@dsu.edu.in](mailto:vicechancellor@dsu.edu.in)>, Registrar DSU <[registrar@dsu.edu.in](mailto:registrar@dsu.edu.in)>, "Dr.A.Srinivas Dayananda Sagar University" <[dean-engg@dsu.edu.in](mailto:dean-engg@dsu.edu.in)>, "Prof. Anitha R" <[coe@dsu.edu.in](mailto:coe@dsu.edu.in)>, [dsu-mech-faculty@googlegroups.com](mailto:dsu-mech-faculty@googlegroups.com)

Dear Mr. Dasarathy,

Your suggestions are thought provoking and welcome sir. We have to balance between the traditional mechanical & new technologies. We have received inputs from industries that Mechanical Students need exposure to Mechatronics, Automation and AI & ML (using Python) besides data analytics.

There are opportunities from both traditional industries & new technologies as well, but more so from the later ones . Certainly we will discuss the pros & cons tomorrow.

[Quoted text hidden]

[Quoted text hidden]

Wed, May 12, 2021 at 8:09 PM

**Ramachandra Krishnaswamy** <[drkrc2006@gmail.com](mailto:drkrc2006@gmail.com)>

To: Chairman MECH <[chairman-me@dsu.edu.in](mailto:chairman-me@dsu.edu.in)>

Hello Prof Rajagopal

Good Day

Clarification: Is the BoS Meeting scheduled at 9-30 or 10-00 am?

Regards

Dr K.Ramachandra

On Tue, May 11, 2021 at 4:27 PM Chairman MECH <[chairman-me@dsu.edu.in](mailto:chairman-me@dsu.edu.in)> wrote:

[Quoted text hidden]

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Dr. K. Ramachandra

Wed, May 12, 2021 at 8:52 PM

**Chairman MECH** <[chairman-me@dsu.edu.in](mailto:chairman-me@dsu.edu.in)>

To: Ramachandra Krishnaswamy <[drkrc2006@gmail.com](mailto:drkrc2006@gmail.com)>

Sir it is at 10 a.m. Half an hour early for DSU to check. Sorry for this confusion.

[Quoted text hidden]

[Quoted text hidden]

**Dr. Sriram P** <[ssriramp@rapsri.com](mailto:ssriramp@rapsri.com)>

To: Chairman MECH <[chairman-me@dsu.edu.in](mailto:chairman-me@dsu.edu.in)>

Wed, May 12, 2021 at 9:36 PM

Dear Sir,

Greetings.

Kindly grant me leave of absence as I am involved with today's crisis in the medical centre.

Thanks and Best Regards

Sriram p

---

**From:** Chairman MECH [mailto:chairman-me@dsu.edu.in]

**Sent:** Wednesday, May 12, 2021 10:51 PM

**To:** Dasarathi

**Cc:** B Gurumoorthy; A Goshal; Ramachandra; Venkeshwaralu; P Sriram; D C Agarwal; Dr. CPS Prakash; Prakash C.P.S; Seetharamu Subramanyam; Dr. KNB Murthy; Registrar DSU; Dr.A.Srinivas Dayananda Sagar University; Prof. Anitha R; dsu-mech-faculty@googlegroups.com

**Subject:** Re: Board of Studies (BOS) Online Meeting of B.Tech (Mechanical Engineering Program on 13.05.21 (Thursday) at 10.00 A.M00 P.M

Dear Mr. Dasarathy,

[Quoted text hidden]

[Quoted text hidden]

---

**Chairman MECH** <chairman-me@dsu.edu.in>

Sat, May 15, 2021 at 8:37 AM

To: B Gurumoorthy <bgm@iisc.ac.in>, A Goshal <asitava@mecheng.iisc.ernet.in>, Ramachandra <drkrc2006@gmail.com>, Venkeshwaralu <karodi2002@yahoo.co.in>, P Sriram <sriram.p@rapsri.com>, Dasharathi <das@cadem.com>, D C Agarwal <dcagar@gmail.com>, "Dr. CPS Prakash" <principal.dsce@yahoo.com>, "Prakash C.P.S" <drocpsprakash@gmail.com>, Seetharamu Subramanyam <ssramu278@gmail.com>  
Cc: "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, "Prof. Anitha R" <coe@dsu.edu.in>, dsu-mech-faculty@googlegroups.com

Dear BOS Members,

**Greetings from the Department of Mechanical Engineering, Dayananda Sagar University.**

We thank you all for attending the BOS online meeting held on 13.05.21 and for your valuable feedback. Please find attached the MOM of IX-BOS, Department of Mechanical Engineering and we request your inputs and approval.

We have also enclosed the soft copy of the remuneration bill. Kindly fill in the details and mail the signed scan copy of the same. The remuneration details will be filled by us.

We look forward for your continued support.

Thanks & Regards,

Prof. M.S. Rajagopal  
Chairman, Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate  
Bengaluru- 560 068.



Mobile: +91-9900977220  
Email : chairman-me@dsu.edu.in  
msrajagopal@yahoo.com

Website : www.dsu.edu.in

On Tue, May 11, 2021 at 4:27 PM Chairman MECH <chairman-me@dsu.edu.in> wrote:  
[Quoted text hidden]

---

2 attachments

-  MoM-BOS IX-2021 V3.docx  
67K
-  Remuneration Bill for BOS-2021.docx  
83K

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Chairman MECH <chairman-me@dsu.edu.in>  
To: Vinayak Hemadri <vinayak-me@dsu.edu.in>

Sat, May 15, 2021 at 8:48 AM

FYI

Thanks & Regards,

Prof. M.S. Rajagopal  
Chairman, Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate  
Bengaluru- 560 068.

Mobile: +91-9900977220  
Email : chairman-me@dsu.edu.in  
msrajagopal@yahoo.com

Website : www.dsu.edu.in



----- Forwarded message -----

From: Chairman MECH <chairman-me@dsu.edu.in>  
Date: Sat, May 15, 2021 at 9:07 PM  
Subject: Re: Board of Studies (BOS) Online Meeting of B.Tech (Mechanical Engineering Program on 13.05.21 (Thursday)  
at 10.00 A.M00 P.M

[Quoted text hidden]  
[Quoted text hidden]

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2 attachments

-  MoM-BOS IX-2021 V3.docx  
67K
-  Remuneration Bill for BOS-2021.docx  
83K

Sat, May 15, 2021 at 9:21 PM

**Dr. Sriram P** <ssram@rapsri.com>

To: Chairman MECH <chairman-me@dsu.edu.in>, B Gurumoorthy <bgm@iisc.ac.in>, A Goshal  
<asitava@mecheng.iisc.ernet.in>, Ramachandra <drkrc2006@gmail.com>, Venkeshwaralu <karodi2002@yahoo.co.in>,  
Dasharathi <das@cadem.com>, D C Agarwal <dcagar@gmail.com>, "Dr. CPS Prakash" <principal.dsce@yahoo.com>,  
"Prakash C.P.S" <drcpsprakash@gmail.com>, Seetharamu Subramanyam <ssramu278@gmail.com>

Cc: "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, "Prof. Anitha R" <coe@dsu.edu.in>, dsu-mech-faculty@googlegroups.com

Dear Sir,

Greetings.

Thanks for the MOM.

Undersigned requested for leave of absence.

Best Regards

Sriram p

---

**From:** Chairman MECH [mailto:chairman-me@dsu.edu.in]

**Sent:** Saturday, May 15, 2021 9:07 PM

**To:** B Gurumoorthy; A Goshal; Ramachandra; Venkeshwaralu; P Sriram; Dasharathi; D C Agarwal; Dr. CPS Prakash; Prakash C.P.S; Seetharamu Subramanyam

**Cc:** Dr. KNB Murthy; Registrar DSU; Dr.A.Srinivas Dayananda Sagar University; Prof. Anitha R; dsu-mech-faculty@googlegroups.com

**Subject:** Re: Board of Studies (BOS) Online Meeting of B.Tech (Mechanical Engineering Program on 13.05.21 (Thursday) at 10.00 A.M00 P.M

Dear BOS Members,

[Quoted text hidden]

[Quoted text hidden]

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**Ashitava Ghosal** <asitava@iisc.ac.in>  
To: Chairman MECH <chairman-me@dsu.edu.in>

Sun, May 16, 2021 at 12:27 AM

Dear Prof. Rajagopal,

The minutes of the meeting are fine.  
I am also enclosing the signed remuneration form.

Thanks and best regards.

-----

Ashitava Ghosal

Website <https://mecheng.iisc.ac.in/~asitava>

Alternate e-mail: aghossy@gmail.com

Previous email id asitava@mecheng.iisc.ernet.in will work for some time!

Robotics: Fundamental Concepts and Analysis – Oxford University Press

by Ashitava Ghosal

Visit <https://india.oup.com/product/robotics-9780195673913?>

Visit [https://onlinecourses.nptel.ac.in/noc21\\_me37/preview](https://onlinecourses.nptel.ac.in/noc21_me37/preview) for my new NPTEL Course on Robotics

From: Chairman MECH <chairman-me@dsu.edu.in>

Sent: 15 May 2021 21:07

To: B Gurumoorthy <bgm@iisc.ac.in>; Ashitava Ghosal <asitava@iisc.ac.in>; drkrc2006@gmail.com <drkrc2006@gmail.com>; Venkeshwaralu <karodi2002@yahoo.co.in>; P Sriram <sriram.p@rapsri.com>; Dasharathi <das@cadem.com>; D C Agarwal <dcagar@gmail.com>; Dr. CPS Prakash <principal.dsce@yahoo.com>; Prakash C.P.S <drcpsprakash@gmail.com>; Seetharamu Subramanyam <ssramu278@gmail.com>

Cc: Dr. KNB Murthy <vicechancellor@dsu.edu.in>; Registrar DSU <registrar@dsu.edu.in>; Dr.A.Srinivas Dayananda Sagar University <dean-engg@dsu.edu.in>; Prof. Anitha R <coe@dsu.edu.in>; dsu-mech-faculty@googlegroups.com <dsu-mech-faculty@googlegroups.com>

Subject: Re: Board of Studies (BOS) Online Meeting of B.Tech (Mechanical Engineering Program on 13.05.21 (Thursday) at 10.00 A.MOO P.M

External Email

[Quoted text hidden]

 Remuneration Bill for BOS-2021.pdf  
119K

Chairman MECH <chairman-me@dsu.edu.in>  
To: Ashitava Ghosal <asitava@iisc.ac.in>

Sun, May 16, 2021 at 7:07 PM

Dear Sir,

Thank you sir for your valuable inputs. Also, we will process the remuneration bill.

Thanks & Regards,

Dr. Rajagopal

[Quoted text hidden]

~~Ashitava Ghosal <asitava@iisc.ac.in>~~  
To: Chairman MECH <chairman-me@dsu.edu.in>

Sun, May 16, 2021 at 7:35 PM

Dear Dr. Rajagopal,

As I had mentioned, addition of liberal arts courses is a good idea. Another point about basic/fundamental courses as opposed to only practice type course -- many students will appear in GATE for higher studies and there needs to be enough courses/contents so that the students of DSU are not in any dis-advantage.

Last year I had also mentioned about another remuneration -- this was for a meeting held on February 29, 2020.

You had mentioned in a WhatsApp (in June 2020) chat that you will look into it.

I am not sure if this was resolved.

Is it possible to get any update on this?

Thanks and regards.

Ashitava Ghosal

Website <https://mecheng.iisc.ac.in/~asitava>

Alternate e-mail: aghossy@gmail.com

Previous email id asitava@mecheng.iisc.ernet.in will work for some time!

Robotics: Fundamental Concepts and Analysis -- Oxford University Press  
by Ashitava Ghosal

Visit <https://india.oup.com/product/robotics-9780195673913?>

Visit [https://onlinecourses.nptel.ac.in/noc21\\_me37/preview](https://onlinecourses.nptel.ac.in/noc21_me37/preview) for my new NPTEL Course on Robotics

From: Chairman MECH <chairman-me@dsu.edu.in>

Sent: 17 May 2021 07:37

To: Ashitava Ghosal <asitava@iisc.ac.in>

[Quoted text hidden]

[Quoted text hidden]

Chairman MECH <chairman-me@dsu.edu.in>  
To: Ashitava Ghosal <asitava@iisc.ac.in>

Sun, May 16, 2021 at 10:17 PM

Dear Sir,

Thanks for the inputs on LS & Gate. Presently we have an external understanding with Gate Academy and they train them. Your concerns on some the core technical courses of importance to GATE syllabus will surely be looked into.

I shall follow-up with Accounts persons on the earlier payment. If payment is done, proof of the same will be given and if not made, I will arrange for the same.

[Quoted text hidden]

[Quoted text hidden]


~~karodi venkateswarlu <karodi2002@yahoo.co.in>~~  
To: Chairman MECH <chairman-me@dsu.edu.in>

Mon, May 17, 2021 at 10:50 PM

Dear Dr Rajagopal,  
The revised syllabus after the meeting is OK for me. I accept it and any minor changes required may please be added.  
I also attach the remuneration bill. Since the amount is not known, it is left blank. You are requested to fill the same. My digital signature is put in the filled form.

With kind regards,  
Venkateswarlu  
9632730381

[Quoted text hidden]

 Remuneration Bill for BOS-2021 (1) 18 May 21.docx  
90K

~~Chairman MECH <chairman-me@dsu.edu.in>~~  
To: karodi venkateswarlu <karodi2002@yahoo.co.in>

Mon, May 17, 2021 at 11:18 PM

Dear Sir,

Thanks for accepting the BOS MOM and enclosing the remuneration bill. We will process the same at the earliest.

[Quoted text hidden]

[Quoted text hidden]

---

Mon, May 17, 2021 at 11:36 PM

karodi venkateswarlu <karodi2002@yahoo.co.in>  
To: Chairman MECH <chairman-me@dsu.edu.in>

Dear Sir,  
thanks for your prompt reply.

With kind regards,  
Venkateswarlu

[Quoted text hidden]

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Tue, May 18, 2021 at 9:30 AM

~~Prakash C.P.S. <drcpsprakash@gmail.com>~~  
To: Chairman MECH <chairman-me@dsu.edu.in>

Dear Professor  
You can count my approval for the changes brought in curriculum

Best Regards

**Dr.C.P.S.Prakash**

Principal

**Dayananda Sagar College of Engineering**

*(An autonomous Institution affiliated to Visvesvaraya Technological University,VTU., approved by AICTE and UGC, Accredited by NAAC with 'A' grade, All UG programs are accredited by NBA, New Delhi., ISO 9001-2015 Certified & NIRF ranked Institution)*

Shavige Mallechwara Hills

Kumaraswamy Layout

Bangalore 560078

ppl-dsce@dayanandasagar.edu

drcpsprakash@gmail.com

www.dsce.edu.in

[Quoted text hidden]

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Tue, May 18, 2021 at 7:54 PM

Chairman MECH <chairman-me@dsu.edu.in>  
To: "Prakash C.P.S" <drcpsprakash@gmail.com>

Thanks sir for your approval and encouragement. We look forward for your continued support.

Thanks & Regards

Dr. Rajagopal

[Quoted text hidden]

---

Wed, Jul 21, 2021 at 9:30 PM

Chairman MECH <chairman-me@dsu.edu.in>  
To: Sandeep M J <sandeep-me@dsu.edu.in>

Thanks & Regards,

Dr. Vinayak Hemadri

Chairman(Incharge), Department of Mechanical Engineering,

Dayananda Sagar University,

Hosur Main Road, Kudlu Gate  
Bengaluru- 560 068.

Mobile: +91-9910275510  
Email : chairman-me@dsu.edu.in  
vinayak-me@dsu.edu.in  
vinayakhemadri@gmail.com

Website : www.dsu.edu.in

----- Forwarded message -----

From: Chairman MECH <chairman-me@dsu.edu.in>

Date: Tue, May 11, 2021 at 4:27 PM




Subject: Board of Studies (BOS) Online Meeting of B.Tech (Mechanical Engineering Program on 13.05.21 (Thursday) at 10.00 A.M.00 P.M

To: B Gurumoorthy <bgm@iisc.ac.in>, A Goshal <asitava@mecheng.iisc.ernet.in>, Ramachandra <drkrc2006@gmail.com>, Venkeshwaralu <karodi2002@yahoo.co.in>, P Sriram <sriram.p@rapsri.com>, Dasharathi <das@cadem.com>, D C Agarwal <dcagar@gmail.com>, Dr. CPS Prakash <principal.dsce@yahoo.com>, Prakash C.P.S <drospkash@gmail.com>, Seetharamu Subramanyam <ssramu278@gmail.com>  
Cc: Dr. KNB Murthy <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, Dr.A.Srinivas Dayananda Sagar University <dean-engg@dsu.edu.in>, Prof. Anitha R <coe@dsu.edu.in>, <dsu-mech-faculty@googlegroups.com>

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### 3 attachments

-  MECH-Scheme-2021-22\_60-40 as per AICTE.docx  
106K
-  MECH - 2020-21, 60-40, 3& 4 SEM General ,SCHEME & SYLLABUS.doc  
401K
-  MoM-BOS IX-2021 V3.docx  
77K



Dayananda Sagar  
University

Chairman MECH <chairman-me@dsu.edu.in>

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## Request for Feedack from BOS Members on Modifications proposed for M.Tech Design Engineering 2020-21 (60:40) Scheme

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Chairman MECH <chairman-me@dsu.edu.in>

Wed, May 12, 2021 at 4:01 AM

To: Janamruth U <janamruthu@gmail.com>, Jyothi N <nagannamangala@gmail.com>

Cc: Vinayak Hemadri <vinayak-me@dsu.edu.in>, "Dr. Saravanabavan D" <saranbav-me@dsu.edu.in>

Dear Janamruth & Jyothi,

I am forwarding the BOS meeting details to both of you. As discussed with you, I invite you to attend this online Board of Studies meeting scheduled for tomorrow.

You are required to provide inputs for the syllabus revision based on your interaction with your classmate, industry peers, superiors and of course your experience.

We look forward to your participation & contribution.

Thanks & Regards,

Prof. M.S. Rajagopal  
Chairman, Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate  
Bengaluru- 560 068.

Mobile: +91-9900977220

Email : chairman-me@dsu.edu.in  
msrajagopal@yahoo.com

Website : www.dsu.edu.in

----- Forwarded message -----

From: Chairman MECH <chairman-me@dsu.edu.in>

Date: Tue, Jan 5, 2021 at 12:22 PM


Subject: Request for Feedack from BOS Members on Modifications proposed for M.Tech Design Engineering 2020-21 (60:40) Scheme

To: B Gurumoorthy <bgm@iisc.ac.in>, A Goshal <asitava@mecheng.iisc.ernet.in>, Ramachandra <drkrc2006@gmail.com>, Venkeshwaralu <karodi2002@yahoo.co.in>, S Seetharama <sub.ramu@gmail.com>, P Sriram <sriram.p@rapsri.com>, Dasharathi <das@cadem.com>, D C Agarwal <dcagar@gmail.com>, Dr. CPS Prakash <principal.dsce@yahoo.com>, Prakash C.P.S <drocpsprakash@gmail.com>, <das@cnceto.in>

Cc: Dr. KNB Murthy <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, Dr.A.Srinivas Dayananda Sagar University <dean-engg@dsu.edu.in>, Vinayak Hemadri <vinayak-me@dsu.edu.in>, Dr. Rammohan Bhanumurthy <rammohanb@dsu.edu.in>, Dr. Saravanabavan D <saranbav-me@dsu.edu.in>, Shashidhara L C <shashidhar-me@dsu.edu.in>

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Dayananda Sagar  
University

Chairman MECH <chairman-me@dsu.edu.in>

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## Acceptance for BOS -IX Mechanical - SOE\_DSU

1 message

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Chairman MECH <chairman-me@dsu.edu.in>  
To: B Gurumoorthy <bgm@iisc.ac.in>

Thu, May 20, 2021 at 7:07 PM

Dear Sir,

We thank you for attending BOS-IX and providing valuable feedback. We request your acceptance of BOS MOM and also kindly mail the scanned copy of the signed filled remuneration bill sir.

Have a good day and we appreciate your immediate response sir.

Thanks & Regards,


Prof. M.S. Rajagopal  
Chairman, Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate  
Bengaluru- 560 068.

Mobile: +91-9900977220  
Email : chairman-me@dsu.edu.in  
msrajagopal@yahoo.com

Website : www.dsu.edu.in

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### 2 attachments

 MoM-BOS IX-2021 V3.docx  
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 Remuneration Bill for BOS-2021.docx  
83K





## DAYANANDA SAGAR UNIVERSITY

### List of BoS members and faculties present:

Sl. No.	NAME	DESIGNATION
1	Prof. A.N.N Murthy	Vice Chancellor Dayananda Sagar University. (Special Invitee)
2	Dr. K Ramachandra	Former Director, GTRE, Prof. Department of Aerospace, RVCE Bangalore
3	Dr. M.S. Rajagopal	Professor & Chairman, Department of Mechanical Engineering, DSU
4	Dr. Ashitava Ghosal	Professor 'Dept. of Mechanical Engineering, Indian Institute of Science, Bangalore.
5	Dr. A Sreenivas,	Dean School of Engineering , DSU
6	Dr. Vivekananda S P	Professor, Department of Mechanical Engineering, DSU
7	Dr. Vinayak Hemadri	Associate Professor, Department of Mechanical Engineering, DSU
8	Dr. Saravanabavan	Associate Professor, Department of Mechanical Engineering, DSU
9	Dr. Mritunjayaswamy K M	Associate Professor, Department of Mechanical Engineering, DSU
10	Dr. Stanley C S	Assistant Professor, Department of Mechanical Engineering, DSU
11	Dr. Viswanathan R	Assistant Professor, Department of Mechanical Engineering, DSU
12	Dr. Kamalbabu, P	Assistant Professor, Department of Mechanical Engineering, DSU



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13	Dr. Rahul Kumar	Assistant Professor, Department of Mechanical Engineering, DSU
14	Dr. Manish Kumar Mishra	Assistant Professor, Department of Mechanical Engineering, DSU
15	Mr. Shashidhar L C	Assistant Professor, Department of Mechanical Engineering, DSU
16	Mr. Abhijith N	Assistant Professor, Department of Mechanical Engineering, DSU

#### Points Discussed and Observations:

Chairman Mechanical Engineering, Prof. M S Rajagopal welcomed the guests and briefed the members about the approved scheme for B.Tech Mechanical Engineering and also presented the agenda. The observations during the discussion is presented below.

#### Agenda 1

#### **Finalization of Scheme and Syllabus for III and IV Semester - Mechanical Engineering**

Discussions were carried out related to Minor Projects introduced for the first time in the curriculum. Members present appreciated the decision. Prof K Ramachandra suggested for clear execution guidelines for implementation of Minor project. It was also suggested that Minor project can be named as Project. Prof A N N Murthy briefed the members about the selection of Minor Projects based on the courses in the corresponding semester of study. Chairman Mechanical told the members that the selection of Minor Project is flexible and the committee can decide whether there is scope to continue the same project for further semesters. Members emphasized upon more practical applications for Mathematics course delivery and suggested using MATLAB.



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Course objectives and outcomes for the Outcome Based Education system was reviewed at length. Members suggested avoiding similar words used in course objectives and outcomes and keeping these things into consideration they suggested reviewing all the other courses.

As the internal component in the scheme also carries same weightage as the extremal component (50:50), members emphasized upon the assignment pattern. Prof Ashitav Ghosal suggested for application and design based questions for assignments.

### Agenda 2

#### **Deliberations for introduction of Minors for inter-disciplinary students & Honors for Mechanical students in new emerging technologies for 2019-20 Scheme**

##### **Minors for inter-disciplinary students**

BOS members appreciated introduction of Minors and suggested intra-department level meeting regarding subjects offered which will enhance employability. They suggested introducing a bridge course during the summer vacation of 4<sup>th</sup> semester as a prerequisite for the Minor degree program.

##### **Honors for Mechanical students in new emerging technologies**

Members present unanimously agreed for the introduction of Honors degree program for Mechanical Engineering students. They appreciated the different specializations in emerging technologies areas and Prof. Ashitava Ghosal also suggested to add one more honors program in Product Design and all members agreed for the same. Prof ANN Murthy suggested to seek industry experts help to frame the syllabus for Honours



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program and for appointment of Adjunct faculty. Further, Members suggested for **MOOC** based courses also for this program.

**Agenda 3**

Introduction of new department electives in emerging technologies areas for 2016-17 Scheme students.

All the members welcomed this suggestion. **Introduction to machine learning and AI and Image processing** can be introduced for current basket of elective subjects for **V<sup>th</sup> semester Mechanical Engineering**.

**Agenda 4**

Results Analysis review of the Odd Semester 2019-20

Chairman Mechanical Engineering presented the result analysis for the odd semester 2019-20.

**Agenda 5**

**Review of 50:50 Scheme for M.Tech Design Engineering 2019-20 Batch**

Members presented agreed for this suggestion.

*M. S. Rajagopal 2/3/20*

(Prof. M. S. Rajagopal)

Chairman Mechanical Engineering.

Chairman,

Department of Mechanical Engineering.

School of Engineering,

Dayananda Sagar University,

Kudlu Gate, Hosur Main Road,

BENGALURU - 560 068.



Dayananda Sagar University  
School of Engineering,  
DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 02-03-2020

Attendance VIII BOS Meeting, B. Tech Mechanical  
Engineering

List of BoS members and faculties present:

Sl. No	Name, Designation & Affiliation	Signature
1	DR. K. RAMACHANDRA Prof, Dept of Aerospace AVCE, Bangalore	
2	Dr A.N.N. MURthy - VC, DSU	
3	Ashitava Ghosal - EESC	
4	Dr. Saravana - DSU	
5	Dr. P. VIVEKANANDA SHANMUGANATHAN	
6	Vinay MS	
7	Dr. Stanley Charles	
8	Dr. MANOJ. S - AP, DSU	
9	Dr. HAMALBABU. DSU	



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School of Engineering,  
DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 02-03-2020

10	DR. VISWANATHAN R. DSU	<u>Viswanathan</u>
11	Abhijith.N	<del>AA</del>
12	Shashidhara CC	<del>Sh</del>
13	Abhilasho.	<del>Abhilasho</del>
14	Dr. Moitryunijayabswamy K.M.	<u>Moitryunijayabswamy</u>
15	Dr. Rahul Kumar	<u>RK</u>
16	Dr. Manish Kumar Mishra	<u>Manish</u>
17	Dr. M.S. RAJASOPAL	<u>M.S. Rajasopal</u>
18	Dr. Vinayak B. Hemalini	<u>Vinayak</u>
19		
20		
21		
22		

M.S. Rajasopal 2/3/2020  
Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



07

**DAYANANDA SAGAR UNIVERSITY**  
**Department of Mechanical Engineering,**

**School of Engineering**

**Proceedings of the Meeting**



**Subject:** Board of Studies- Bachelor of Technology (Mechanical Engineering-ME),

**Venue:** Board Room, 3rd Floor, 'A' Block, Dayananda Sagar University Campus,  
Bengaluru.

**Date:** Monday, 11/02/2019

**Agenda**

Sl. No	Details
1	Finalization of Scheme for I and II Semester - Mechanical Engineering
2	Finalization of Syllabus for I and II Semester Subjects handled by Mechanical Engineering Department
3	Finalization of scheme for Higher Semesters (III to VIII) - Mechanical Engineering
4	Result Analysis for previous Semesters
5	Any other academic matters

**List of BoS members and faculties present:**

Sl. No.	NAME	DESIGNATION
1	<b>Prof. A.N.N Murthy</b>	Vice Chancellor Dayananda Sagar University. (Special Invitee)
2	<b>Dr. M.S. Rajagopal</b>	Professor & Chairman, Department of Mechanical Engineering, DSU

Chairman, 11/2/19  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



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3	<b>Dr. Ashitava Ghosal</b>	Professor 'Dept. of Mechanical Engineering, Indian Institute of Science, Bangalore.
4	<b>Dr. K. Venkateshwaralu</b>	Scientist, National Aerospace Laboratories, Bangalore.
5	<b>Dr. S. Seetharama</b>	Additional Director Central Power Research Institute ,Bangalore.
6	<b>Dr. P Sriram</b>	Chairman Rapsri Engineering , Industry, Bangalore.
7	<b>Dr. C. P. S. Prakash</b>	Principal , Dayanand Sagar College of Engineering, Bangalore.
8	<b>Dr. A Sreenivas,</b>	Dean School of Engineering , DSU
9	<b>Dr. Vivekananda S P</b>	Professor, Department of Mechanical Engineering, DSU
10	<b>Dr. Vinayak Hemadri</b>	Associate Professor, Department of Mechanical Engineering, DSU
11	<b>Dr. Saravanabavan</b>	Associate Professor, Department of Mechanical Engineering, DSU
12	<b>Dr. Mritunjayaswamy K M</b>	Associate Professor, Department of Mechanical Engineering, DSU
13	<b>Dr. Stanley C S</b>	Assistant Professor, Department of Mechanical Engineering, DSU
14	<b>Dr. Viswanathan R</b>	Assistant Professor, Department of Mechanical Engineering, DSU
15	<b>Dr. Kamalbabu, P</b>	Assistant Professor, Department of Mechanical Engineering, DSU
16	<b>Dr. K S N Satish Idury</b>	Assistant Professor, Department of Mechanical Engineering, DSU
17	<b>Dr. Nand Kishore Singh</b>	Assistant Professor, Department of Mechanical Engineering, DSU



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18	Dr. GKS Surya Narayana	Professor, Department of Aerospace Engineering, DSU
19	Dr. Ramkumar	Professor, Department of Aerospace Engineering, DSU

### Points Discussed and Observations:

#### Agenda 1 and 2

#### **Finalization of Scheme and Syllabus for I and II Semester - Mechanical Engineering**

Chairman Mechanical Engineering welcomed all the BOS Members and presented the scheme for the first and second semester Mechanical Engineering. The discussions and inputs from BOS members on the 1 year Mechanical Engineering subjects is detailed below.

#### Engineering Graphics & Design

The BOS members appreciated the match of course outcomes with syllabus. Prof MS Rajagopal briefed the execution plan for Engineering Graphics and Design. Dr. CPS Prakash mentioned that the syllabus is exhaustive and 60 hours may not be available. Chairman agreed to incorporate suggested changes and circulate the same to all BOS Members.

#### Work Shop

**Members welcomed the introduction of casting, smithy and carpentry besides Gas welding to the workshop syllabus.**

#### Design thinking and innovation

BOS Members appreciated the introduction of Design thinking and innovation course for the first year. However they suggested to fine tune the syllabus by incorporating exercises based on biomedical and niche areas of interest. They also emphasized upon Guest lectures on specific topics from Industry experts and also from internal resource personnel. Chairman Mechanical Engineering agreed to incorporate changes and circulate the same to BOS members.

#### Basic Electrical/ Electronics



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During the discussion on Basic Electrical/Electronics, Chairman Mechanical briefed the members that as per AICTE, basic electronics is introduced as core subject for III-semester Mechanical Engineering curriculum. However BOS members and Hon. Vice Chancellor Prof. ANN Murthy suggested that since Electronics is one of the major inter-disciplinary subject, it should be introduced in the First year curriculum itself for all the branches of Engineering.

### Professional Ethics

Members suggested to introduce Professional ethics in engineering curriculum. Chairman mentioned that the same can be combined with Constitution of India which is being offered in First year.

### Agenda 3

#### Finalization of scheme for Higher Semesters (III to VIII) - Mechanical Engineering

Prof. M S Rajagopal Chairman Mechanical Engineering presented the scheme for higher semesters of B.Tech Mechanical Engineering Programme. BOS members broadly agreed and also suggested some changes, the details of the discussion is given below...

a) Prof CPS Prakash emphasized upon need for Measurement as a separate theory subject for III semester Mechanical Engineering since the curriculum contains a lab based on metrology and measurement. All the members agreed and suggested that this subject can be offered in place of Industrial Psychology.

b) Minor project should be renamed as mini project. The members suggested to consider Industrial training/workshop/NPTEL courses /Inter disciplinary courses as a part of mini project. Further they also appreciated the need of interdisciplinary projects and also a facility in the curriculum to continue with same project for higher semesters. This would help in developing a product or providing solution to a problem.

c) BOS members advised for skill based learning and also emphasized upon minimum of two certificate courses before the graduation. Prof ANN Murthy Honorable Vice Chancellor DSU explained the initiatives taken by DSU in this regard.

d) BOS members suggested ~~elective courses on machine learning and electric vehicles~~. They approved the broad classification of professional and core elective subjects.

e) BOS members suggested for online courses to students placed outside Bangalore for final year project work for their elective course requirement.



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### Agenda 4

#### Result Analysis for previous Semesters

Chairman mentioned that in general the results of individual subjects including numerical subjects is good except results of Mathematics for Lateral Entry students. He explained that a bridge course for Mathematics exclusively for lateral entry students has been initiated.

M. S. Rajagopal 19/2/19

(Prof. M. S. Rajagopal)  
Chairman Mechanical Engineering.

Chairman,  
Department of Mechanical Engineering  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



# Dayananda Sagar University

School of Engineering,

DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 11-02-2019

## Attendance VII BOS Meeting

I. No	Name, Designation & Affiliation	Signature
1	Dr. M.S. Rajagopal, Professor & Chairman, Department of Mechanical Engineering, DSU	M.S. Rajagopal
2	Dr. K. Venkateshwaralu, Scientist, National Aerospace Laboratories, Bangalore	K. Venkateshwaralu 11-2-19
3	Dr. B. Gurumoorthy Professor, Centre for Product Design and Manufacturing, Indian Institute of Science, Bangalore	
4	Dr. Ashitava Ghosal, Professor 'Dept. of Mechanical Engineering, Indian Institute of Science, Bangalore	Ashitava Ghosal
5	Dr. S. Seetharama, Additional Director Central Power Research Institute, Bangalore	S. Seetharama
6	Dr. P. Sriram, Chairman Rapsri Engg. Industry, Bangalore	P. Sriram
7	Dr. C. P. S. Prakash, Principal, Dayanand Sagar College of Engineering, Bangalore	C. P. S. Prakash
8	Dr. A. Sreenivas, Dean School of Engineering, DSU	A. Sreenivas
9	Dr. Vivekananda S P, Professor, Department of Mechanical Engineering, DSU	Vivekananda S P
10	Dr. Vinayak Hemadri, Associate Professor, Department of Mechanical Engineering, DSU	Vinayak Hemadri
11	Dr. Saravanabavan, Associate Professor, Department of Mechanical Engineering, DSU	Saravanabavan
12	Dr. Mritunjayaswamy K M, Associate Professor, Department of Mechanical Engineering, DSU	Mritunjayaswamy K M



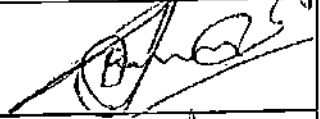
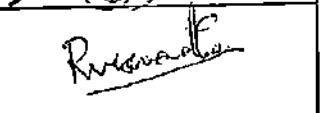
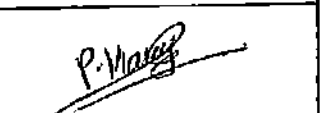
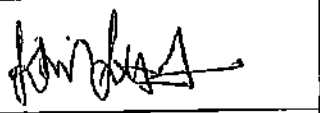
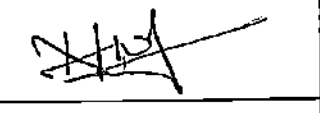
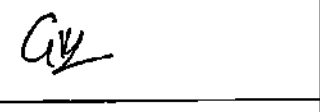
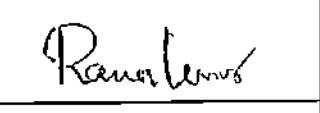
# Dayananda Sagar University

School of Engineering,

DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 11-02-2019

13	Dr. Stanley C S, Assistant Professor, Department of Mechanical Engineering, DSU	
14	Dr. Viswanathan R, Assistant Professor, Department of Mechanical Engineering, DSU	
15	Dr. Kamalbabu, P, Assistant Professor, Department of Mechanical Engineering, DSU	
16	Mr. Shashidhar L C, Assistant Professor, Department of Mechanical Engineering, DSU	
17	Mr. Vinay M S, Assistant Professor, Department of Mechanical Engineering, DSU	
18	Dr. K S N Satish Idury, Assistant Professor, Department of Mechanical Engineering, DSU	
19	Dr. Nand Kishore Singh, Assistant Professor, Department of Mechanical Engineering, DSU	
20	Dr. Rahul Kumar, Assistant Professor, Department of Mechanical Engineering, DSU	
21	Dr G K Suryanarayana, Professor, Dept of Aerospace Engg, DSU	
22	Dr. Ramakumar, Professor Dept. of Aerospace Engg.	
23		
23		



6th

**DAYANANDA SAGAR UNIVERSITY**  
**Department of Mechanical Engineering.**

06

**School of Engineering**



**Proceedings of the Meeting**

**Subject:** Board of Studies- Bachelor of Technology (Mechanical Engineering-ME),

**Venue:** Board Room, 3rd Floor, 'A' Block, Dayananda Sagar University Campus,  
Bengaluru.

**Date:** Tuesday, 22/01/2018

**Agenda**

Sl. No	Details
1	Presentation on the Odd Semesters Results and interaction
2	Discussion on the syllabi of 7 <sup>th</sup> and 8 <sup>th</sup> Semesters B Tech Mechanical Engineering
3	Deliberations for introduction of 50:50 Evaluation Scheme from 2019-20
4	Conducting End Semester Examination for 100 Marks
5	Introduction of Computer Aided Manufacturing module and scope for merging it with current Modeling & Simulation Lab (VI Semester) & swapping MATLAB Fundamentals to Controls Lab (VII Semester)
6	Any other academic matter

**List of BoS members and faculties present:**

Sl. No.	NAME	DESIGNATION
1	Dr. M.S. Rajagopal	Professor & Chairman, Department of Mechanical Engineering, DSU
2	Dr. B. Gurumoorthy	Professor, Centre for Product Design and Manufacturing, Indian Institute of Science,

Chairman: Dr. M.S. Rajagopal 22/1/18  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road.  
BENGALURU - 560 068.

89



### DAYANANDA SAGAR UNIVERSITY

3	<b>Dr. Ashitava Ghosal</b>	Professor 'Dept. of Mechanical Engineering, Indian Institute of Science, Bangalore
4	<b>Dr. K. Venkateshwaralu</b>	Scientist, National Aerospace Laboratories, Bangalore
5	<b>Dr. S. Seetharama</b>	Additional Director Central Power Research Institute ,Bangalore .
6	<b>Dr. C. P. S. Prakash</b>	Principal , Dayanand Sagar College of Engineering, Bangalore .
7	<b>Dr. Vivekananda S P</b>	Professor, Department of Mechanical Engineering, DSU
8	<b>Dr. Vinayak Hemadri</b>	Associate Professor, Department of Mechanical Engineering, DSU
9	<b>Dr. Saravanabavan</b>	Associate Professor, Department of Mechanical Engineering, DSU
10	<b>Dr. Mritunjayaswamy K M</b>	Associate Professor, Department of Mechanical Engineering, DSU
11	<b>Dr. Stanley C S</b>	Assistant Professor, Department of Mechanical Engineering, DSU
12	<b>Dr. Viswanathan R</b>	Assistant Professor, Department of Mechanical Engineering, DSU
13	<b>Dr. Kamalbabu, P</b>	Assistant Professor, Department of Mechanical Engineering, DSU
14	<b>Mr. Shashidhar L C</b>	Assistant Professor, Department of Mechanical Engineering, DSU

*M. S. S. S. S.*

Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



## DAYANANDA SAGAR UNIVERSITY

### Points Discussed and Observations:

#### Agenda 1

- i) Discussions on the Results of the Odd Semester Exam:
  - a. The results of 1<sup>st</sup>, 3<sup>rd</sup> and 5<sup>th</sup> Semesters B Tech Mechanical was presented by Chairman.
  - b. It was observed that results in III Semester Mathematics is poor. The members suggested that the chairmen of Mechanical & Mathematics departments to counsel the students and take remedial measures based on the inputs received. It was also suggested to deploy expert faculty to improve the results especially for the lateral entry students. Chairman agreed to implement the suggestions.
  - c. The members also pointed out that III Semester course, Mechanics of Materials results need improvement. The chairman explained that the results of Lateral Entry students are poor which can be attributed to poor fundamentals in Mathematics.
  - d. Members also pointed out that the Results of V semester course "Design of Machine Elements I" could have been better. Chairman agreed and explained that proactive measures were taken by engaging students with special classes & giving additional tests.

#### Agenda 2

- i) Discussion on the syllabus of 7<sup>th</sup> and 8<sup>th</sup> semesters B. Tech Mechanical Engineering.
  - a. BOS Members deliberated and suggested to include nano-tribology, nano-coatings and nano-fluids in tribology and bearing design elective course.
  - b. Members suggested to reframe the syllabus for the Institution elective Industrial robotics course. They suggested to include the basic concepts and applications aspects as the students will be from other departments.
  - c. Members suggested to include different quality management systems like ISO 9000 and 14000 series in the Total Quality Management elective course.
  - d. BOS members suggested to introduce Non-Destructive Testing course which gives students a practical understanding and also helps in getting placements.

#### Agenda 3

- i) Discussion on the Internal- External marks distribution for 2019-20 batch.
  - a) BOS members recommended introducing 50% marks for internals and 50% marks for externals. They unanimously agreed that this will certainly help in aiding continuous evaluation process.



## DAYANANDA SAGAR UNIVERSITY

- b) Chairman proposed 30 marks for Continuous Internal Assessment (CIA) and 20 marks for Continuous Internal Evaluation (CIE). Members recommended 25 marks each for CIA & CIE. They also suggested minimum passing of 40% in both.

### Agenda 4

- i) Conducting End Semester Examination for 100 Marks.  
a) Members suggested conducting end Semester Examination for 100 Marks for 2019-20 scheme.

### Agenda 5

- i) ~~Introduction of Computer Aided Manufacturing module and scope for merging it with current Modeling & Simulation Lab (VI Semester) & swapping MATLAB Fundamentals to Controls Lab (VII Semester)~~  
a) All the BOS Members suggested to include CAM module in the current VI semester Modeling, Analysis and Simulation Lab course and shift MATLAB module to the VII Semester Controls Lab.

### Agenda 6

- i) Discussion on the final year B. Tech project of Mechanical students  
a. BOS members suggested that evaluation for the initial phase of the B. Tech project in the 7<sup>th</sup> semester should include: i. Definition of the problem ii. Literature review and iii. Execution plan  
b. BOS members suggested to permit students to take up projects at Industries on a different topic in the VIII semester. They also mentioned that the department committee can decide based on the originality of the project.  
c. BOS members mentioned that in future, industries may insist that the students should be available for the entire duration of 6 months during VIII semester and DSU may need to adapt for such requirements.  
d. Dr. Vivekananda proposed introducing mini project as an alternate option for one elective course in VII semester. Members pointed out that the evaluation process will be involved and require more faculty contact hours.

### Decisions Taken:

- i) It was unanimously agreed to improve III Semester Mathematics results by conducting special classes to weaker students by senior faculty.  
ii) BOS Members approved the scheme & syllabus for VII & VIII semester with modifications as mentioned in agenda 2.



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- iii) ~~Members agreed to the proposed 50:50 evaluation pattern for 2019-20 scheme.~~
- iv) Members also agreed for conducting the Semester End Examination for 100 Marks for 2019-20 scheme.
- v) ~~The modifications proposed in the Modeling, Analysis and Simulation lab syllabus were approved.~~
- vi) Guidelines for the final year B. Tech project were framed.

M. S. Rajagopal 27/1/18  
(Dr. M. S. Rajagopal)  
Chairman in Mechanical  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



# Dayananda Sagar University

School of Engineering,

DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 22-01-2018

## Attendance BOS Meeting, B. Tech Mechanical Engineering

### List of BoS members and faculties present:

Sl. No	Name, Designation & Affiliation	Signature
1	Dr. M.S. Rajagopal, Professor & Chairman, Department of Mechanical Engineering, DSU	M.S. Rajagopal 22/1/18
2	Dr. K. Venkateshwaralu, Scientist, National Aerospace Laboratories, Bangalore	K. Venkateshwaralu 22-1-18
3	Dr. B. Gurumoorthy Professor, Centre for Product Design and Manufacturing, Indian Institute of Science, Bangalore	B. Gurumoorthy
4	Dr. Ashitava Ghosal, Professor 'Dept. of Mechanical Engineering, Indian Institute of Science, Bangalore	A. Ghosal
5	Dr. S. Seetharama, Additional Director Central Power Research Institute, Bangalore (Retd)	S. Seetharama
6	Dr. C. P. S. Prakash, Principal, Dayanand Sagar College of Engineering, Bangalore	C. P. S. Prakash
7	Dr. A Sreenivas, Dean School of Engineering, DSU	A. Sreenivas
8	Dr. Vivekananda S P, Professor, Department of Mechanical Engineering, DSU	Vivekananda S P
9	Dr. Vinayak Hemadri, Associate Professor, Department of Mechanical Engineering, DSU	Vinayak Hemadri
10	Dr. Saravanabavan, Associate Professor, Department of Mechanical Engineering, DSU	Saravanabavan 22/1/18



# Dayananda Sagar University

School of Engineering,

DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 22-01-2018

11	Dr. Mritunjayawamy K M, Associate Professor, Department of Mechanical Engineering, DSU	
12	Dr. Stanley C S, Assistant Professor, Department of Mechanical Engineering, DSU	
13	Dr. Viswanathan R, Assistant Professor, Department of Mechanical Engineering, DSU	
14	Dr. Kamalbabu, P, Assistant Professor, Department of Mechanical Engineering, DSU	
15	Mr. Shashidhar L C, Assistant Professor, Department of Mechanical Engineering, DSU	
16		

*H. K. Ramesh*  
Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Road,  
Bengaluru - 560068



Dayananda Sagar  
University

Chairman MECH <chairman-me@dsu.edu.in>

## VI Board of Studies (BOS) Meeting of B.Tech (Mechanical Engineering Program on 19.01.18 (Friday) at 2.00 P.M

Wed, Jan 17, 2018 at 10:12 AM

**Chairman MECH** <chairman-me@dsu.edu.in>  
 To: Gurumurthy <bgm@mecheng.jiscernet.in>, A Goshal <asitava@mecheng.jiscernet.in>, Ramachandra <drkr2006@gmail.com>, Venkateshwaralu <Karod12002@yahoo.co.in>, S Seetharama  
 <subramu@gmail.com>, P Sriam <sriam.p@apsf.com>, das@ncetc.in, D C Agarwal <dagar@gmail.com>, "Dr. CPS Prakash" <principal.dsce@yahoo.com>  
 Cc: "Dr.A.N.N Murthy" <vicechancellor@dsu.edu.in>, Dean Engineering <dean-engg@dsu.edu.in>, "Sanga M.K" <chairman-cse@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, Mr Uday Shetty  
 <cf0@dsu.edu.in>, "Prof. Anitha R" <coe@dsu.edu.in>

Dear BOS Members,

We have re-scheduled the VI BOS Meeting of B. Tech, Mechanical Engineering Program on 22.01.18 (Monday) at 2.00 P.M, Board Room, Campus III, Kudlu Gate, Hosur Road due to non-availability of many BOS members. I request you all to make yourself available for the meeting.

The agenda for the Meeting remains the same. I appreciate your confirmation by mail.

Thanks & Regards,

Thanks & Regards,

Prof. M.S. Rajagopal  
 Chairman, Department of Mechanical Engineering,  
 Dayananda Sagar University,  
 Hosur Main Road, Kudlu Gate  
 Bengaluru- 560 068.

Mobile: +91-9900977220  
 Email : chairman-me@dsu.edu.in  
 msrajagopal@yahoo.com

Website : www.dsu.edu.in

[Quoted text hidden]



bgm@mecheng.iisc.ernet.in

Mail

Move to Inbox

More

1 of 14

COMPOSE

MOM of VI BOS Meeting of B.Tech, Mechanical Engineering Program, SOE, DSU held on 22.01.18

Inbox x

Inbox (595)

Jan 31 (5 days ago)

Starred

Sent Mail

Drafts (5)

More



Chairman

Chairman MECH <chairman-me@dsu.edu.in>  
to Gurumurthy, A, Ramachandra, Venkeshwaralu, S, P, das, D, drcpsprakesh, Dr.A.N.N, Dean, Banga, Registrar, Mr, Anitha, bcc: Vinayak, bcc: Sa  
Dear BOS Members,

PFA the MOM of VI BOS Meeting of B.Tech, Mechanical Engineering Program, SOE, DSU held on 22.01.18 at Campus III, Kudlu Gate, Hosur Road. It was indeed very interactive session we had and we will implement the suggestions given by BOS members.

We welcome feedback from BOS members who could not attend on 22.01.18. We look forward to your continued support and guidance.

Thanks & Regards,

Prof. M.S. Rajagopal  
Chairman, Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate  
Bengaluru- 560 068.

No recent chats  
Start a new one

Mobile: +91-9900977220  
Email : [chairman-me@dsu.edu.in](mailto:chairman-me@dsu.edu.in)  
[msrajagopal@yahoo.com](mailto:msrajagopal@yahoo.com)  
Website : [www.dsu.edu.in](http://www.dsu.edu.in)

bgm@mecheng.jisc.ernet.in

Mail

Move to Inbox

More

1 of 11

COMPOSE

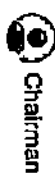
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Sent Mail

Drafts (5)

More



Chairman



W Mom-BOSMeeth...

karodi venkateswarlu

to me

Dear Sir,

Jan 31 (5 days ago)

Many thanks for sending the MOM of our Bos meeting. This is fine and the meeting was conducted in a professional manner and I appreciate your concern about this work.

Please check whether the honorarium for attending the meeting has been taken care and sent to the bank.

Thanking you,

With regards,  
Venkateswarlu  
Principal Scientist  
Materials Science Division  
CSIR-National Aerospace Laboratories  
Bangalore 560017

No recent chats  
Start a new one

bgm@mecheng.iisc.ernet.in

Mail

Move to Inbox

More

1 of 11

COMPOSE

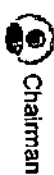
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Sent Mail

Drafts (5)

More



Chairman



MOM-BOSMeetin..

karodi venkateswarlu Dear Sir: Many thanks for sending the MOM of our Bos meeting. This is fine an...

Jan 31 (5 days ag

Jan 31 (5 days ago)

Ashitava Ghosal <ashitava@iisc.ac.in>  
to me

Dear Prof. Rajagopal,

Thank you for sending the minutes. They appear to be fine.

Best wishes.

Ashitava Ghosal

No recent chats  
Start a new one

Website <http://www.mecheng.iisc.ernet.in/~ashitava>

Alternate e-mail: [aqhossay@gmail.com](mailto:aqhossay@gmail.com)

Please note my email id has changed to [ashitava@iisc.ac.in](mailto:ashitava@iisc.ac.in)



Dayananda Sagar University

School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068.

5th.

05

DEPARTMENT OF MECHANICAL ENGINEERING



**MINUTES OF THE MEETING:**

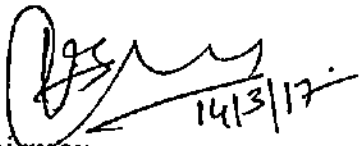
**Subject:** Board of Studies- Bachelor of Technology (Mechanical Engineering-ME),

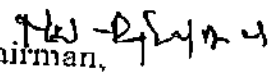
**Venue:** Board Room, 3rd Floor, 'A' Block, Dayananda Sagar University Campus, Bengaluru.

**Date:** Tuesday, 14/03/2017

**Meeting Agenda:**

- I. Result analysis of the previous semesters
- II. Inclusion of grace marks in the academic system
- III. Inclusion of minor project as an added course for V and VI semester
- IV. One text book for one course
- V. Ph.D regulations (Introduction of additional core course in Ph.D Course work)
- VI. Confirmation of MOM of 4<sup>th</sup> BoS
- VII. Ratification of modifications made in Scheme as suggested by BoS members.
- VIII. Any other with the permission of the Chairman

  
14/3/17  
Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068,

  
Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### List of BoS members and faculties present:

Sl. No.	NAME	DESIGNATION
1	Dr. B. Gurumurthy	Professor, Centre for Product Design and Manufacturing, Indian Institute of Science.
2	Dr. H. V. Lakshminarayana	Professor, Design Engineering Department of Mechanical Engineering Dayanand Sagar College of Engineering.
3	Dr. K. Venkateshwaralu	Scientist, National Aerospace Laboratories
4	Dr.P. Sriram	Chairman, Rapsri Engineering Products Company Ltd.
5	Dr. Vinayak B Hemadri	Associate Professor, Chairman, Department of Mechanical Engineering, SoE, DSU
6	Dr. Sarvanabavan D	Associate Professor, Department of Mechanical Engineering, SoE, DSU
7	Dr. Anand Kumar S	Associate Professor, Department of Mechanical Engineering, SoE, DSU
8	Dr. Manoj Kumar K	Assistant Professor, Department of Mechanical Engineering, SoE, DSU
9	Mr. Shashidhar L C	Assistant Professor, Department of Mechanical Engineering, SoE, DSU
10	Miss. Pavithra H S	Assistant Professor, Department of Mechanical Engineering, SoE, DSU
11	Mr. Vinay M S	Assistant Professor, Department of Mechanical Engineering, SoE, DSU

### Special Invitee:

**Dr. A. N. N. Murthy, Honorable Vice Chancellor, Dayananda Sagar University.**



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

1. The Chairman (Mech), School of Engineering, Dr. Vinayak B Hemadri, welcomed the members of BoS, invitee Dr. A. N. N. Murthy, Honorable Vice Chancellor, DSU and staff Dept. of Mechanical Engineering.
2. The suggestions given in previous BoS meeting in structuring the syllabus of V and VI semester B.Tech Mechanical Engineering is appreciated by the committee.
3. The Honorable Vice Chancellor, Dr. A. N. N. Murthy highlighted the genes of DSU, UGC approvals and various industry - academia ventures (incubation centers) operating at DSU.
4. The chairman, Dept. of Mechanical Engineering deliberated the following agenda.
  - I. Result analysis of the previous semesters
  - II. Inclusion of grace marks in the academic system
  - III. Inclusion of minor project as an added course for V and VI semester
  - IV. One text book for one course
  - V. Ph.D regulations (Introduction of additional core course in Ph.D Course work)
  - VI. Confirmation of MOM of 4th BoS
  - VII. Ratification of modifications made in Scheme as suggested by BoS members.
  - IX. Any other with the permission of the Chairman
5. Members actively discussed and gave suggestions as follows.
  - i. Members congratulated all the faculties and students for attaining good overall results during the academic year 2016-17.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

- ii. The action taken by the faculty to improve the performance in 15MA291 (Engineering Mathematics) for lateral entry students is conveyed to the committee.
- iii. Members also appreciated the efforts put by faculty for better performance in Machine drawing lab.
- iv. Inclusion of grace marks in the academic system has been discussed in detail. Members suggested one grace mark can be permitted based on the requirement.
- v. Inclusion of minor project as an additional course for the V and VI semester has been accepted. They emphasized upon stringent selection norms and evaluation process.
- vi. Members agreed for one text for one course for core subjects and other standard books can be kept as reference. For elective courses more than one text book can be referred and also study materials from NPTEL etc. may be used.
- vii. Suggestions for additional area specific course for Ph. D course work requirement has been accepted by the members and recommended for suitable action to meet the UGC requirements.
- viii. ~~Modified Syllabus of V and VI semester based upon the suggestions made in previous BoS meeting has been approved by the committee~~
- ix. Committee suggested to incorporate the industrial/national lab visits for the students as well as faculties at least once in a semester.
- x. Faculties may visit industries to understand their real technical challenges, if possible to co-work on joint research projects.
- xi. Faculties may undergo summer/winter fellowship with institute of repute such as IISc, IIT's, NIT's, National R&D labs etc.



Dayananda Sagar  
University

## School of Engineering

Department of Mechanical Engineering

5<sup>th</sup> Board of Studies Meeting (External)

Date & Time : 14-03-2017 1.00 PM

Members Present:

S.No	NAME	DESIGNATION	Signature
1	Dr. B. Gurumurthy	Professor, Centre for Product Design and Manufacturing, Indian Institute of Science,	
2	Dr. H. V. Lakshminarayana	Professor, Design Engineering Department of Mechanical Engineering Dayanand Sagar College of Engineering,	
3	Dr. K. Venkateswarlu	Scientist, National Aerospace Laboratories	
4	Dr. P. Sriram	Chairman, Rapsri Engineering Products Company Ltd.	
5	Dr. Vinayak B Hemadri	Associate Professor, Chairman, Department of Mechanical Engineering, SoE, DSU	
6	Dr. Sarvanabavan D	Associate Professor, Department of Mechanical Engineering, SoE, DSU	
7	Dr. Anand Kumar S	Associate Professor, Department of Mechanical Engineering, SoE, DSU	
8	Dr. Manoj Kumar K	Assistant Professor, Department of Mechanical Engineering, SoE, DSU	
9	Mr. Shashidhar L C	Assistant Professor, Department of Mechanical Engineering, SoE, DSU	
10	Miss. Pavithra H S	Assistant Professor, Department of Mechanical Engineering, SoE, DSU	
11	Mr. Vinay M S	Assistant Professor, Department of Mechanical Engineering, SoE, DSU	

Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.

Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



**AGENDA:**

1. Result analysis of the previous semesters
2. Inclusion of grace marks in the academic system
3. Inclusion of minor project as an added course for V and VI semester
4. One text book for one course
5. Ph.D regulations (Introduction of additional core course in Ph.D Course work)
6. Confirmation of MOM of 4<sup>th</sup> BoS
7. Ratification of modifications made in Scheme as suggested by BoS members.
8. Any other with the permission of the Chairman



Dayananda Sagar  
University

Vinayak Hemadri <vinayak-me@dsu.edu.in>

## BoS, Invitation: Department of Mechanical Engineering

8 messages

Vinayak Hemadri <vinayak-me@dsu.edu.in>

Fri, Mar 3, 2017 at 3:33 PM

To: drkrc2006@gmail.com, bgm@mecheng.iisc.emet.in, das@cncetc.in, sriram.p@rapsri.com,  
Karodi2002@yahoo.co.in, hvl\_mech2007@rediffmail.com

Cc: registrar@dsu.edu.in, pro-vicechancellor@dsu.edu.in, vicechancellor@dsu.edu.in, Dean Engineering <dean-engg@dsu.edu.in>

Dear Sir,

As per the telephonic discussion, I am pleased to invite you on behalf of Department of Mechanical Engineering to 5th BoS meeting on 14th March 2017.

Please find Agenda for BoS and syllabus copy as attachment.

Thanking You,

Sincerely,

Dr. Vinayak B Hemadri

Chairman Department of Mechanical Engineering(off),

SoE, DSU

Ph.no:9910275510

2 attachments

Final syllabus 5th and 6th.docx  
139K

EMAIL-BoS-1.docx  
15K

Dasarathi-Cadem <das@cncetc.in>

Fri, Mar 3, 2017 at 3:45 PM

To: Vinayak Hemadri <vinayak-me@dsu.edu.in>, drkrc2006@gmail.com, bgm@mecheng.iisc.emet.in,  
sriram.p@rapsri.com, Karodi2002@yahoo.co.in, hvl\_mech2007@rediffmail.com

Cc: registrar@dsu.edu.in, pro-vicechancellor@dsu.edu.in, vicechancellor@dsu.edu.in, Dean Engineering <dean-engg@dsu.edu.in>

Hello Dr. Hemadri.

I will be unable to attend the meeting, unfortunately. I will be travelling on work. March happens to be the financial year end, and hence a hectic month for industry.

Regards,

G V Dasarathi

Director - Applications

Cadem Technologies Pvt. Ltd.

**CADEM**  
effiCNC

<http://www.cadem.com>

Mob : +91-9845858188

[Quoted text hidden]

Vinayak Hemadri <vinayak-me@dsu.edu.in>

Fri, Mar 3, 2017 at 4:51 PM

To: Dasarathi-Cadem <das@cncetc.in>

Dear Sir,

Thank you for reverting, Looking forward for your presence in future meetings.

Thank You,

Dr. Vinayak B Hemadri



Dayananda Sagar  
University

Vinayak Hemadri <vinayak-me@dsu.edu.in>

---

## 5th BoS Dayananda Sagar University

2 messages

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Vinayak Hemadri <vinayak-me@dsu.edu.in>  
To: Karodi2002@yahoo.co.in

Mon, Mar 13, 2017 at 12:35 PM

Dear Sir,

We are honored to have your presence for the 5th BoS meeting scheduled on 14th March 2017 at 1:00 pm at the Board Room, 3<sup>rd</sup> Floor, Block, School of Engineering, Campus 3, Kudlu gate, Hosur Road Dayananda Sagar University.

In this regard we have arranged cab facility from NAL at 11:45 am. To support cashless transaction we have prepared a single Demand Draft for sitting charges as well as conveyance. I request you kindly pay the driver charges that will be refunded through DD. Sorry for the inconvenience,

Lunch has been arranged at 12:45 pm.  
I once again thank you to be part of 5<sup>th</sup> BoS.

Sincerely,

Dr. Vinayak B Hemadri

Chairman Department of Mechanical Engineering(off),

SoE, DSU

Ph.no:9910275510

---

karodi venkateswarlu <karodi2002@yahoo.co.in>  
Reply-To: karodi venkateswarlu <karodi2002@yahoo.co.in>  
To: Vinayak Hemadri <vinayak-me@dsu.edu.in>

Mon, Mar 13, 2017 at 2:06 PM

Dear Sir,  
Thanks for this invitation. I shall come there.

With regards,  
Venkat

[Quoted text hidden]

3/16/2017

Dayananda Sagar University Mail - BoS, Invitation: Department of Mechanical Engineering

Chairman Department of Mechanical Engineering(off),

SoE, DSU

Ph.no:9910275510

[Quoted text hidden]

---

Dr. Sriram .P <sriram.p@rapsri.com>

Sat, Mar 4, 2017 at 11:08 AM

To: Vinayak Hemadri <vinayak-me@dsu.edu.in>, drkrc2006@gmail.com, bgm@mecheng.iisc.emet.in, das@cncetc.in, Karodi2002@yahoo.co.in, hvl\_mech2007@rediffmail.com

Cc: registrar@dsu.edu.in, pro-vicechancellor@dsu.edu.in, vicechancellor@dsu.edu.in, Dean Engineering <dean-engg@dsu.edu.in>

Will attend. Thanks and Regards sriram p

---

**From:** Vinayak Hemadri [mailto:vinayak-me@dsu.edu.in]

**Sent:** Friday, March 3, 2017 3:33 PM

**To:** drkrc2006@gmail.com; bgm@mecheng.iisc.emet.in; das@cncetc.in; sriram.p@rapsri.com;

Karodi2002@yahoo.co.in; hvl\_mech2007@rediffmail.com

**Cc:** registrar@dsu.edu.in; pro-vicechancellor@dsu.edu.in; vicechancellor@dsu.edu.in; Dean Engineering

**Subject:** BoS, Invitation: Department of Mechanical Engineering

[Quoted text hidden]

---

Vinayak Hemadri <vinayak-me@dsu.edu.in>

Sat, Mar 4, 2017 at 12:02 PM

To: "Dr. Sriram .P" <sriram.p@rapsri.com>

Thank You, Sir

[Quoted text hidden]

---

Guruprasad .Y.S <guruprasad.y.s@rapsri.com>

Fri, Mar 10, 2017 at 11:49 AM

To: Vinayak Hemadri <vinayak-me@dsu.edu.in>, drkrc2006@gmail.com, bgm@mecheng.iisc.emet.in, das@cncetc.in, Karodi2002@yahoo.co.in, hvl\_mech2007@rediffmail.com

Cc: registrar@dsu.edu.in, pro-vicechancellor@dsu.edu.in, vicechancellor@dsu.edu.in, Dean Engineering <dean-engg@dsu.edu.in>

Dear Sir,

We herewith confirm that Dr. P. Sriram will attend the 5<sup>th</sup> BoS meeting on 14<sup>th</sup> March.

Best Regards,

Guruprasad .Y.S

Manager - CEO Office



www.rapsri.com

58





3/16/2017

Dayananda Sagar University Mail - BoS, Invitation: Department of Mechanical Engineering

Meeting on 14 Mar

I will however try to go through the Scheme and Syllabus you have sent and mail my comments before the Meeting

Once sorry for my absence

Regards

Dr K.Ramachandra

[Quoted text hidden]

—  
Dr. K. Ramachandra



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

#### MINUTES OF THE MEETING:

**Subject:** Board of Studies- Bachelor of Technology (Mechanical Engineering-ME),

**Venue:** Board Room, 3<sup>rd</sup> Floor, 'A' Block, Dayananda Sagar University Campus, Bengaluru.

**Date:** Saturday, 05/11/2016 .

#### **Meeting Agenda:**

1. Discussion on Result Analysis.
2. Approval of V and VI semester B.Tech, Mechanical Engineering (ME) Syllabus.
3. Distribution of marks for continuous internal and final examination for the academic year 2017-2018.

#### **List of BoS members:**

Sl. No	Name
1	DR. B. GURUMURTHY
2	DR. K. RAMACHANDRA
3	DR. S. SEETHARAMA
4	MR. G. DASARATHI
5	DR. P. SRIRAM RAPSRI
6	DR. H. V. LAKSHMINARAYANA
7	DR. A. GOSHAL
8	DR. D. C. AGARWAL
9	DR. K. VENKATESHWARALU
10	DR. C. P. S. PRAKASH
11	DR. M. G. ANANTHAPRASAD

#### **Special Invitee:**

1. Dr. A. N. N. Murthy, Honorable Vice Chancellor, Dayanada Sagar University.

Chairman  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.

Chairman  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.





# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

1. The Chairman (Mech), School of Engineering, Dr. M. G. Anantha Prasad, welcomed the members of BoS, invitee Dr. A. N. N. Murthy, Honorable Vice Chancellor, DSU and staff Dept. of Mechanical Engineering.
2. The Honorable Vice Chancellor, Dr. A. N. N. Murthy highlighted the genies of DSU, the programs being offered and road map envisaged.
3. The chairman, Dept. of Mechanical Engineering deliberated the following agenda.
  - I. Discussion on Result Analysis.
  - II. Approval of V and VI semester B.Tech, Mechanical Engineering Syllabus.
  - III. Distribution of marks for continuous internal and final examination for the academic year 2017-2018.
4. Members actively discussed and gave suggestions as follows.
  - i) Members congratulated all the faculties and students for attaining a good results during the academic year 2015-16
  - ii) Discussed about 3<sup>rd</sup> and 4<sup>th</sup> semester labs and suggested to have more no. of CNC machines installed in Manufacturing Process lab
  - iii) Discussed about result analysis, comparison between theory and practical marks of Physics and the Chairman of the department given the clarification
  - iv) Suggested for giving hands on experience in industries during weekends
  - v) Mentoring should be done by senior students and certificates should be issued for those student mentors
  - vi) Faculty mentors should insist the students about electives, so that they follow same stream in the subsequent semesters



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

- vii) Result analysis can be compared with other universities and take necessary actions

#### 5. For the approval of V and VI semester B.Tech, Mechanical engineering syllabus,

##### BOS suggested to

- i) Interchange the courses Composites and Design of composites in 5<sup>th</sup> semester and 6<sup>th</sup> semester
- ii) Reference books should be made used by the students in the form of assignments
- iii) Change CO's of Mechatronics, 5<sup>th</sup> semester
- iv) Cross verify and compare the Authors in Theory of Machines, Sadhu Singh
- v) In Manufacturing Technology course add Additive Manufacturing topic and remove the topics like Shaping and Planning
- vi) Remove acronyms in courses syllabus like AJM, EDM etc.,
- vii) In Text and Reference books complete details like year, publications should be mentioned.
- viii) Add Air filtration concepts in Refrigeration and Air conditioning
- ix) Introduce Six sigma techniques in quality and reliability
- x) Verify CLO's and CO's of Non Destructive Testing course
- xi) Members suggested to go for 50/50 marks distribution (internal/external) provided more weightage should be given to mini project/ hands on training



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

#### Members present:

Sl. No.	Name
1	DR. K. RAMACHANDRA
2	MR. G. DASARATHI
3	DR. P. SRIRAM RAPSRI
4	DR. K. VENKATESHWARALU
5	DR. M. G. ANANTHAPRASAD

#### Special Invitee:

1. Dr. A. N. N. Murthy, Honorable Vice Chancellor, Dayanada Sagar University.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Signatures of the participants:

Sl. No.	Name	Signature
1	DR. B. GURUMURTHY	
2	DR. K. RAMACHANDRA	
3	DR. S. SEETHARAMA	
4	MR. G. DASARATHI	
5	DR. P. SRIRAM RAPSRI	
6	DR. H. V. LAKSHMINARAYANA	
7	DR. A. GOSHAL	
8	DR. D. C. AGARWAL	
9	DR. K. VENKATESHWARALU	
10	DR. C. P. S. PRAKASH	
11	DR. M. G. ANANTHAPRASAD	

5/11/16

Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



Dayananda Sagar  
University

SCHOOL OF ENGINEERING  
KUDLU GATE, BANGALORE-560068

DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF THE MEETING

Subject: Board of Studies - Bachelor of Technology (Mechanical Engineering-ME),  
Master of Technology (Design Engineering-MDE)

Venue: Board Room, 3<sup>rd</sup> Floor, 'A' Block, Dayananda Sagar University Campus, Bangalore.

Date: Saturday, 30/01/2016

Meeting Agendas:

1. Approval of minor changes in III to VIII semester B.Tech (ME) scheme.
2. Approval of III and IV semester B.Tech (ME) syllabus.
3. Semester wise distribution of electives list.

The following members are present in the meeting:

Sl. No	Name
1	DR B GURUMURTHY ✓
2	DR K RAMACHANDRA ✓
3	DR S SEETHARAMA
4	MR G DDASARATHI ✓
5	DR P SRIRAM RAPSRI
6	DR H V LAKSHMINARAYANA
7	DR A GOSHAL ✓
8	DR D C AGARWAL
9	DR K VENKATESHWARALU
10	DR C P S PRAKASH
11	DR M G ANANTHAPRASAD ✓

*gml 30/1/16*  
Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.

*M. R. S. S. S.*  
Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068. 34





Signatures of the participants:

Sl. No.	Name	Signature
1	DR B GURUMURTHY	
2	DR K RAMACHANDRA	
3	DR S SEETHARAMA	
4	MR G DDASARATHI	
5	DR P SRIRAM RAPSRI	
6	DR H V LAKSHMINARAYANA	
7	DR A GOSHAL	
8	DR D C AGARWAL	
9	DR K VENKATESHWARALU	
10	DR C P S PRAKASH	
11	DR M G ANANTHAPRASAD	

# DAYANANDA SAGAR UNIVERSITY

c. Scheme and syllabus of M.Tech in

- i. Computer Integrated Manufacturing,
- ii. Design Engineering,
- iii. Thermal Power Engineering

10 The meeting concluded with vote of thanks to the chair.



Member Convenor

Chairman



**DEPARTMENT OF MECHANICAL ENGINEERING**

**MINUTES OF THE MEETING**

**Subject:**Board of Studies- Bachelor of Technology (Mechanical Engineering-ME),  
Master of Technology (Design Engineering-MDE)

**Venue:**Board Room, 3<sup>rd</sup> Floor, 'A' Block, DayanandaSagar University Campus, Bengaluru.

**Date:** Saturday,30/01/2016

**MeetingAgendas:**

1. Approval of minor changes in III to VIII semester B.Tech (ME) scheme.
2. Approval of III and IV semester B.Tech(ME) syllabus.
3. Semester wise distribution of electives list.

**The following members are present in the meeting:**

Sl.No	Name
1	DR B GURUMURTHY
2	DR K RAMACHANDRA
3	DR S SEETHARAMA
4	MR G DDASARATHI
5	DR P SRIRAM RAPSRI
6	DR H V LAKSHMINARAYANA
7	DR A GOSHAL
8	DR D C AGARWAL
9	DR K VENKATESHWARALU
10	DR C P S PRAKASH
11	DR M G ANANTHAPRASAD



1. The Dean, School of Engineering, Dr. M. G. Ananth Prasad welcomed the chairman, members of BOS and invitees Dr. A. N. N. Murthy, Hon'ble Vice Chancellor, DSU and Dr. Chandrashekar Vaidyanathan, Chairman Department of Mathematics, DSU.
2. The Honorable Vice Chancellor, Dr. A. N. N. Murthy highlighted the genies of DSU, the programs being offered and road map envisaged.
3. The chairman (Mechanical Engineering) deliberated the following agendas.
  - I. Approval of minor changes in III to VIII semester B.Tech scheme.
  - II. Approval of III and IV semester B.Tech syllabus.
  - III. Semester wise distribution of electives list.
4. Members actively discussed and gave suggestions in the scheme and syllabus.
  - a. Members approved for Keeping Foundry & Forging Lab in V semester, by including advanced methods of foundry and forging as experiments.
  - b. Members approved for merging Dynamics and Vibration Lab (V sem) with Design Engineering Lab (VI sem) and retaining the same in VI semester
  - c. Members approved for renaming of Simulation laboratory as Modeling, Analysis and Simulation Laboratory in VI Sem.
  - d. Members suggested to rename the Machine Shop Laboratory as Manufacturing Process Laboratory with some modifications in the syllabus.
  - e. Members approved for inclusion of Energy Conversion Laboratory in VI semester by replacing the Computer Applications in Manufacturing and the same theory subject can be merged with manufacturing process which are in III sem and V sem.
  - f. Members suggested to include minimum of six HSS subjects in the electives list.



5. For the approval of III and IV semester B.Tech (ME) syllabus, BOS suggested to
- a. Increase number of Text Books and Reference Books for Mathematics-III suitably.
  - b. Include one more chapter in Mathematics-IV by reducing number of Hrs to 8 in module I, II, & III.
  - c. Include Mathematics-V in fifth semester as department or institutional elective.
  - d. Split the number of hours for each unit into lecture hours & tutorial hours in all subjects.
  - e. Minimize the syllabus of Machine Drawing (I unit and III unit) suitably.
  - f. Merge I and II units in HSS (Economic for Engineers). Module V should be more focused on discussion and tutorials.
  - g. Include some more materials in II unit (Phase Diagrams) of Material Science subject.
  - h. Reduce the syllabus of Kinematics of Machines to suit the number of teaching hours.
  - i. Remove some of the contents in module 2 of Thermodynamics subject (such as Amagat's Law, Daltons Law, Mixture of Gases, Specific Heat etc...)
  - j. Include sample projects, case studies and hands on exercises in Design Engineering subject of III semester. Reduce the theory hours and add more hours for tutorials for the same subject. Add the text book "Engineering Design" by Shigley.
  - k. Remove Lead & Tin phase diagrams and include high temperature alloy in module III of Material Science subject and refine module V
  - l. Increase text and reference books in Fluid Mechanics subject.

**Subject:** Re: BoS meeting-Mech. Engg., DSU

**From:** B Gurumoorthy (bgm@mecheng.iisc.ernet.in)

**To:** ananthaprasad1210@yahoo.com;

**Cc:** bgm@mecheng.iisc.ernet.in; drkrc2006@gmail.com; sub.ramu@gmail.com; das@cncetc.in; sriram.p@rapsri.com; hvl\_mech2007@rediffmail.com; asitava@mecheng.iisc.ernet.in; dcagar@gmail.com; karodi2002@yahoo.co.in; drcpsprakesh@gmail.com; dean-engg@dsu.edu.in; vicechancellor@dsu.edu.in;

**Date:** Friday, November 4, 2016 6:36 AM

Dear Sir:

As mentioned on the telephone I am away on travel tomorrow so I will not be able to attend this meeting.

Best regards,

- Guru

> Dear Sir

> Â

> Greetings!

>

>

> Â

> I am very much grateful to all of you for being associated with us as BoS members and for giving your valuable suggestion for design & developing of our curriculum of our first two years of B.Tech/M.Tech Mechanical Engg. program.

>

>

> Â

> Now it is planned to have our next BoS (Board of Studies) meeting on 05th November 2016 (Saturday), to discuss and decide the syllabus for our B.Tech III year (5th & 6th Semester) theory courses and lab courses. Â

> Â

> I kindly request you to attend this BoS meeting and please give your valuable suggestions.

>

>

> Â

> Our Faculty Mr Abhijith will be in touch with you for the transportation arrangements.

>

>

> Â

> Please give your consent at the earliest. Â

>

>

>

>

> With regards,

>

> Dr. M.G. Anantha Prasad

> Professor and Chairman,  
>  
> Department of Mechanical Engg.,  
>  
> Dayanand Sagar University,  
>  
> Hosur Main Road  
>  
> Kudlu Gate  
>  
> Bengaluru-560 068  
>  
> Cell: 9448214404

>  
>

Gurumoorthy  
Centre for Product Design and Manufacturing and  
Department of Mechanical Engineering  
Indian Institute of Science  
Bangalore 560012.

Ph. : +91 80 2293 2304  
Fax : +91 80 2360 0648  
Email: [bgm@mecheng.iisc.ernet.in](mailto:bgm@mecheng.iisc.ernet.in)

---

**Subject:** Re: BoS meeting-Mech. Engg., DSU

---

**From:** Ramachandra Krishnaswamy (drkrc2006@gmail.com)

---

**To:** ananthaprasad1210@yahoo.com;

---

**Date:** Thursday, October 27, 2016 11:09 AM

---

Dear Dr Prasad

Good Day

Thanks for the Invite

I will attend the Meeting on 5 Nov. Please indicate the details

Regards

Dr K Ramachandra

On Wed, Oct 26, 2016 at 12:57 PM, anantha prasad <ananthaprasad1210@yahoo.com> wrote:

Dear Sir

Greetings!

I am very much grateful to all of you for being associated with us as BoS members and for giving your valuable suggestion for design & developing of our curriculum of our first two years of B.Tech/M.Tech Mechanical Engg., program.

Now it is planned to have our next BoS (Board of Studies) meeting on **05th November 2016 (Saturday)**, to discuss and decide the syllabus for our B.Tech III year (5th & 6th Semester) theory courses and lab courses.

I kindly request you to attend this BoS meeting and please give your valuable suggestions.

Our Faculty Mr Abhijith will be in touch with you for the transportation arrangements.

Please give your consent at the earliest.

With regards,

**Dr. M.G.Anantha Prasad**

Professor and Chairman,

Department of Mechanical Engg.,

Dayanand Sagar University,

Hosur Main Road

Kudlu Gate

Bengaluru-560 068

Cell: 9448214404

---

**Subject:** Re: BoS meeting-Mech. Engg., DSU

---

**From:** DR. SEETHARAMU SUBRAMANYAM (sub.ramu@gmail.com)

---

**To:** ananthaprasad1210@yahoo.com;

---

**Date:** Friday, November 4, 2016 9:12 PM

---

Dear Dr Amarnath Prasad,

I will not be able to attend the meeting today owing to a certain exigency at-home.

With best regards

Seetharamu

On 26 Oct 2016 12:57 p.m., "anantha prasad" <ananthaprasad1210@yahoo.com> wrote:

Dear Sir

Greetings!

I am very much grateful to all of you for being associated with us as BoS members and for giving your valuable suggestion for design & developing of our curriculum of our first two years of B.Tech/M.Tech Mechanical Engg., program.

Now it is planned to have our next BoS (Board of Studies) meeting on **05th November 2016 (Saturday)**, to discuss and decide the syllabus for our B.Tech III year (5th & 6th Semester) theory courses and lab courses.

I kindly request you to attend this BoS meeting and please give your valuable suggestions.

Our Faculty Mr Abhijith will be in touch with you for the transportation arrangements.

Please give your consent at the earliest.

With regards,

**Dr. M.G.Anantha Prasad**

Professor and Chairman,

Department of Mechanical Engg.,

Dayanand Sagar University,

Hosur Main Road

Kudlu Gate

Bengaluru-560 068

Cell: 9448214404

---

**Subject:** BoS meeting @DSU

---

**From:** anantha prasad (ananthaprasad1210@yahoo.com)

---

**To:** das@cncetc.in;

---

**Date:** Friday, November 4, 2016 2:06 AM

---

Dear Sir

Thanks for your positive response.

BoS meeting is scheduled at 10:30 am tomorrow and please find the below venue address

Dayanand Sagar University,  
Hosur Main Road  
Kudlu Gate  
Bengaluru-560 068  
Cell: 9448214404

Thanks & regards  
Anantha Prasad

---

**Subject:** RE: BoS meeting-Mech. Engg., DSU

---

**From:** Dr. Sriram .P (sriram.p@rapsri.com)

---

**To:** ananthaprasad1210@yahoo.com;

---

**Date:** Thursday, October 27, 2016 12:55 AM

---

Dear Sir,

Greetings. Thanks. Will attend.

Pl mail venue address and meeting room details. Will reach on my own.

Best Regards

Sriram p

---

**From:** anantha prasad [mailto:ananthaprasad1210@yahoo.com]  
**Sent:** Wednesday, October 26, 2016 12:57 PM  
**To:** bgm@mecheng.iisc.ernet.in; drkrc2006@gmail.com; sub.ramu@gmail.com; das@cncetc.in; sriram.p@rapsri.com; hvl\_mech2007@rediffmail.com; asitava@mecheng.iisc.ernet.in; dcagar@gmail.com; Karodi2002@yahoo.co.in; drepsprakesh@gmail.com  
**Cc:** Dean Engineering; Dr.A.N.N Murthy  
**Subject:** BoS meeting-Mech. Engg., DSU

Dear Sir

Greetings!

I am very much grateful to all of you for being associated with us as BoS members and for giving your valuable suggestion for design & developing of our curriculum of our first two years of B.Tech/M.Tech Mechanical Engg., program.

Now it is planned to have our next BoS (Board of Studies) meeting on 05th November 2016 (Saturday), to discuss and decide the syllabus for our B.Tech III year (5th & 6th Semester) theory courses and lab courses.

I kindly request you to attend this BoS meeting and please give your valuable suggestions.

---

**Subject:** Re: BoS meeting-Mech, Engg., DSU

---

**From:** Ashitava Ghosal (aghossy@gmail.com)

---

**To:** bgm@mecheng.iisc.ernet.in;

---

**Cc:** ananthaprasad1210@yahoo.com; drkrc2006@gmail.com; sub.ramu@gmail.com; das@cncetc.in; sriram.p@rapsri.com; hv\_l\_mech2007@rediffmail.com; asitava@mecheng.iisc.ernet.in; dcagar@gmail.com; karodi2002@yahoo.co.in; drocpsprakesh@gmail.com; dean-engg@dsu.edu.in; vicechancellor@dsu.edu.in;

---

**Date:** Friday, November 4, 2016 6:38 AM

---

Dear Dr. Anantha Prasad,

Our research student symposium is going on today and tomorrow.  
Hence, I will not be able to attend the BoS meeting on November 5, 2016.

Regards.

-----  
Ashitava Ghosal

On Fri, Nov 4, 2016 at 4:35 PM, B Gurumoorthy <bgm@mecheng.iisc.ernet.in> wrote:

Dear Sir:

As mentioned on the telephone I am away on travel tomorrow so I will not be able to attend this meeting.

Best regards,

- Guru

> Dear Sir

>

>

>

> Greetings!

>

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> I am very much grateful to all of you for being associated with us as BoS  
> members and for giving your valuable suggestion for design & developing of  
> our curriculum of our first two years of B.Tech/M.Tech Mechanical Engg.,  
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> III year (5th & 6th Semester) theory courses and lab courses.

>

>

>

> I kindly request you to attend this BoS meeting and please give your  
> valuable suggestions.

>

>

>

> Our Faculty Mr Abhijith will be in touch with you for the transportation

22

**Subject:** Re: BoS meeting-Mech. Engg., DSU

---

**From:** karodi venkateswarlu (karodi2002@yahoo.co.in)

---

**To:** bgm@mecheng.iisc.ernet.in; ananthaprasad1210@yahoo.com;

---

**Cc:** drkrc2006@gmail.com; sub.ramu@gmail.com; das@cncetc.in; sriram.p@rapsri.com; hvf\_mech2007@rediffmail.com; asitava@mecheng.iisc.ernet.in; dcagar@gmail.com; drcpsprakesh@gmail.com; dean-engg@dsu.edu.in; vicechancellor@dsu.edu.in;

---

**Date:** Friday, November 4, 2016 6:39 AM

---

Dr Prasad:

Tomorrow I shall be available for this meeting and Dr Saravanan has arranged transport. See you on tomorrow.

With regards,

Dr. K. Venkateswarlu

Principal Scientist, Materials Science Division

SIR-National Aerospace Laboratories

odihalli, Old airport road, Bangalore 560017

(O) +918025086333

(Fax) +918025270098

(cell)+919632730381

On Friday, November 4, 2016 5:06 PM, B Gurumoorthy <bgm@mecheng.iisc.ernet.in> wrote:

Dear Sir:

As mentioned on the telephone I am away on travel tomorrow so I will not be able to attend this meeting.

Best regards,

- Guru

> Dear Sir

> Â

> Greetings!

>

>

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> I am very much grateful to all of you for being associated with us as BoS

> members and for giving your valuable suggestion for design & developing of

> our curriculum of our first two years of B.Tech/M.Tech Mechanical Engg.,

> program.

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> November 2016 (Saturday), to discuss and decide the syllabus for our B.Tech

> III year (5th & 6th Semester) theory courses and lab courses. Â

>

>

> Â

> I kindly request you to attend this BoS meeting and please give your

> valuable suggestions.

---

**Subject:** Approved BOS from 2016-17 & Meetings

**From:** Registrar DSU (registrar@dsu.edu.in)

**To:** ppl-pharmacy@dayanandasagar.edu; principal.dscn@gmail.com; dean-engg@dsu.edu.in; drskprasad@dsu.edu.in; drsunil@dsu.edu.in; dsicpt@gmail.com; rakeshfilm@yahoo.com; chairman-cse@dsu.edu.in; akki.channappa-ct@dsu.edu.in; basavaraj-ece@dsu.edu.in; chandra-math@dsu.edu.in; anands-chem@dsu.edu.in; nbehera321@gmail.com; ananthaprasad1210@yahoo.com;

**Date:** Sunday, October 16, 2016 11:47 PM

---

Dear Professors

PFA the Provisional BOS members of Various Schools from 2016-17 onwards.

A formal notification from university will follow.

You are informed to hold meetings of BOS as directed by Vice Chancellor Sir.

Meetings date is to be communicated to Registrars office, so that the Registrar will be present at these meetings as directed by Vice Chancellor Sir.

This is for your information and needful actions.

with regards

**Registrar,**

**Dayananda Sagar University,**

University office, 6<sup>th</sup> floor, Dental Block, Shavige Malleshwara Hills, Kumaraswamy Layout,  
Bangalore - 560 078, INDIA

Tel : +91-80-42113566(D), 42161705, 42161706, 26662226

Fax: +91-80-26660789 | <http://www.dsu.edu.in>

---

**Attachments**

- BOS 2016-17.docx (28.69KB)

(ii) Department of Mechanical Engineering

SL.No	Name	Affiliation & Contact details	Designation
1	Dr.M.G.Anantha Prasad	Chairman-Mechanical Engineering , DSU	Chairman
2	Dr. K. Ramachandra,	Former Director, GTRE, Consultant Honeywell, CADES	Member
3	Dr. K. Venkateswaralu,	Scientist, NAL , Bangalore	Member
4	Dr. P Sriram,	Chairman, Rapsri Engg. Industry, Bangalore	Member
5	Mr. G.V. Dasarathi,	Director, CADEM Technologies Pvt Ltd. Bangalore	Member
6	Dr. D.C. Agarwal,	Inter university Accelerator Center (IUAC), Bangalore	Member
7	Dr. B. Gurumoorthy,	Professor , Centre for Product Design & Manufacture , IISc, Bangalore	Member
8	Dr. A. Goshal,	Professor, Mechanical Engineering Department ,IISc , Bangalore.	Member
9	Dr. H. V. Lakshminarayana,	Professor, Mechanical Engineering Department ,DSCE , Bangalore	Member
10	Dr.C.P.S.Prakash,	Principal, DSCE , Bangalore	Member
11	Dr.C.S.Ramesh	Dean, DSU	Member



# Dayananda Sagar University

Live the dream

Dr. Puttamadappa C, ME, Ph.D

Registrar

## NOTIFICATION

No. DSU / 2016-17/ BOS

Dated:21-10-2016

**Sub: Constitution of Board of Studies in School of Engineering- Department of Mechanical Engineering of Dayananda Sagar University, Bengaluru.**

In supersession of the previous notification in this regard and in accordance with Sections 22 (vi), 28 and 32(i) of the Dayananda Sagar University Act 2012, the Vice Chancellor, has been pleased to constitute Board of Studies in School of Engineering- Department of Mechanical Engineering comprising of the following:

### Board of Studies in School of Engineering- Department of Mechanical Engineering

SN	Name	Affiliation & Contact details	Designation
1	Dr. M. G. Anantha Prasad	Chairman-Mechanical Engineering , DSU	Chairman
2	Dr. K. Ramachandra	Former Director, GTRE, Consultant Honeywell, CADES	Member
3	Dr. K. Venkateswaralu	Scientist, NAL , Bangalore	Member
4	Dr. P Sriram	Chairman, Rapsri Engg. Industry, Bangalore	Member
5	Mr. G.V. Dasarathi	Director, CADEM Technologies Pvt Ltd. Bangalore	Member
6	Dr. D.C. Agarwal	Inter university Accelerator Center (IUAC), Bangalore	Member
7	Dr. B. Gurumoorthy	Professor , Centre for Product Design & Manufacture , IISc, Bangalore	Member
8	Dr. A. Goshal	Professor, Mechanical Engineering Department ,IISc , Bangalore.	Member
9	Dr. H. V. Lakshminarayana	Professor, Mechanical Engineering Department ,DSCE , Bangalore	Member
10	Dr.C.P.S.Prakash	Principal, DSCE , Bangalore	Member
11	Dr.C.S.Ramesh	Dean, DSU	Member

P.T.O.

18

329

02

**DAYANDA SAGAR UNIVERSITY**

**Agenda for BOS Meeting in Mechanical Engineering on 21/05/2015**



1. Welcome by Member Secretary
2. Opening remarks by the chairman
3. Confirmation of the minutes of the first BOS meeting held on 17/04/2015
4. Discussion on scheme of teaching for the B.E(First year).
5. Discussion on B.E(First year) syllabus in the subjects
  - a. Mechanical engineering
  - b. Engineering Drawing
  - c. Engineering Mechanics
  - d. Workshop practice
6. Discussion on scheme of teaching for B.E(mechanical Engineering) 3-8 semester
7. Discussion on scheme of teaching for M.Tech in
  - a. Computer Integrated Manufacturing,
  - b. Design Engineering,
  - c. Thermal Power Engineering
8. Discussion on scheme of teaching for M.Tech in
  - a. Computer Integrated Manufacturing,
  - b. Design Engineering,
  - c. Thermal Power Engineering
9. Any other matter pertaining to academic delivery of the courses
10. Vote of thanks to the chair

*Qill*

Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.

X  
Chairman *M. K. K. K. K.*  
Department of Mechanical Engineering-  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road.  
BENGALURU - 560 068.

17.

## Guide Lines for Evaluation:

### 1. Theory Subjects:

#### a. Continuous: 30 (Any of the four heads)

- |       |                           |       |
|-------|---------------------------|-------|
| i.    | Self study presentations  | : 10M |
| ii.   | Survey report             | : 10M |
| iii.  | Assignments               | : 10M |
| iv.   | Quiz                      | : 10M |
| v.    | Surprise Test             |       |
| vi.   | Programming Exercises     | : 10M |
| vii.  | Presentations in Seminars | : 10M |
| viii. | Presentation in Workshops | :10M  |

Self study presentation/survey reports/quiz/assignments/programming exercises/presentation in seminar & work shops

#### b. Examination: 70

- |     |                               |   |
|-----|-------------------------------|---|
| i.  | Internal tests                | : 20M ( based on 2 tests of 1 hr each)                |
| ii. | End semester examination: 50M | ( 3 hrs duration,5 questions to be answered out of 5) |

### 2. CAED/ Fundamentals of computer programming

#### a. Continuous: 30

- |    |   |      |
|----|---|------|
| i. | Completion of exercises(including sketching)/programs in lab. | : 30 |
|----|---|------|

#### b. Examination : 70

- |      |                                |  |
|------|--------------------------------|--|
| i.   | Internal tests                 | : 20M ( based on 2 tests)                                  |
| ii.  | End semester examination: 50M  | ( 3 hrs duration)  |
| iii. | CAED                           | : 2 questions to be answered out of 3 including sketching. |
| iv.  | Fundamentals of computer prog. | : 2 questions to be answered out of 3                      |

### 3. Laboratory Subjects

#### a. Continuous: 30

- |    |   |      |
|----|---|------|
| i. | Completion of experiments/ Programming exercises including Lab record | : 30 |
|----|---|------|

#### b. Examination : 70

- |      |                               |  |
|------|-------------------------------|--|
| ii.  | Internal test                 | : 20M ( based on one practical test and viva voce) |
| iii. | End semester examination: 50M | ( 3 hrs duration)                                  |

## DAYANANDA SAGAR UNIVERSITY

The Board of Studies meeting in Mechanical Engineering was held on 21<sup>st</sup> May, 2015 at 02.15 pm in the board room of DSCE.

The following members were present:

- |                                |                  |
|--------------------------------|------------------|
| 1. Prof. B. Gurumoorthy        | Chairman         |
| 2. Dr. K. Ramachandra          | Member           |
| 3. Mr. Dasharathi              | Member           |
| 4. Prof. H. V. Lakshminarayana | Member           |
| 5. Prof. A. Goshal             | Member           |
| 6. Prof. S. C. Pilli           | Member Secretary |

- 1 The member Secretary welcomed the chairman and, members.
- 2 Chairman made the opening remarks and took up the agenda for discussion.
- 3 The minutes of the first BOS meeting held on 17/04/2015 were read and confirmed.
- 4 The chairman deliberated the following agenda members actively discussed, and gave suggestions in the schemes and the syllabus discussed.
- 5 Scheme of BTech(First year) was discussed and approved
- 6 Syllabus for the courses mentioned below was discussed and authorised the member secretary to incorporate the suggestions and approved the syllabus.
  - a. Mechanical Engineering
  - b. Engineering Drawing
  - c. Engineering Mechanics
  - d. Workshop Practice
- 7 Scheme of teaching from 3 to 8 semester B.Tech (Mechanical) was discussed and approved.
- 8 The schemes of teaching for M.Tech programmes mentioned below was discussed and suggestions were made in the course structure.
  - a. Computer Integrated Manufacturing,
  - b. Design Engineering,
  - c. Thermal Power Engineering
    - i. To change Advanced Fluid mechanics as core for M.Tech(TPE) and shift CFD as elective
    - ii. Rename Computer Graphics as Data Visualisation
    - iii. To merge the solar energy, Wind Energy and Cogeneration as two courses namely Soar Energy Conversion systems and Renewable energy Sources
    - iv. Change title of Design for Manufacture to Lean Manufacturing
    - v. Introduce a course in Industrial Metrology for M.Tech(CIM).
    - vi. To rename Rapid prototyping as Additive Manufacturing.
    - vii. To introduce a course in Cutting Tool Design for M.Tech(CIM)
    - viii. To rename Microcontroller to Embedded systems
    - ix. To introduce Sensor and signal conditioning as an elective for M.Tech (Design Engineering).
- 9 The member secretary was authorised to incorporate the changes and finalize
  - a. Scheme of B.Tech (First year)
  - b. Syllabus in the subjects for BTech (First year)
    - i. Mechanical Engineering
    - ii. Engineering Drawing
    - iii. Engineering Mechanics
    - iv. Workshop Practice

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Sharanabas...

02

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Chairman .

May 14

To Gurumurthy bgm@cpdm.iisc.ernet.in Prakash C.P.S A Goshal

D C Agarwal and 7 more...

Dear Sir,

The second BOS meeting in Mechanical Engineering of DSU is scheduled on Thursday, the 21st May '15 at 02.15pm.

Venue of the meeting: Board Room, Besides the principals chamber of DSCE.

The agenda of the meeting is:

- 1) Discussion and approval of the Scheme of teaching for B.E Mechanical
- 2) Discussion and approval of the syllabus of the courses in First year B.E.( common Courses for all branches of Engineering)
  - i) Mechanical Engg. ii) Engg. Drawing iii) Engineering Mechanics iv) workshop practice
- 3) Discussion and approval of Scheme of teaching for M.Tech i) Computer Integrated manufacturing ii) Design Engineering iii) Thermal Power Engineering
- 4) Discussion and approval of syllabus of the courses for M.Tech i) Computer Integrated manufacturing ii) Design Engineering iii) Thermal Power Engineering
- 5) Any matter subject in respect of accademic delivery of the BE/ M.tech programmes in Mechanical Engineering

Kindly make it conivent to attend the same.  
With warm regards,

Sharanabasava C Pilli  
+91 9448001224

5 Attachments | View all | Download all v

- BE\_FirstYr\_Scheme.docx View Download v
- first-Mech\_syllabus.docx View Download v
- MTech\_CIM\_Scheme.docx View Download v
- MTech\_MDE\_Schem...docx View Download v
- MTech\_TPE\_Scheme.docx View Download v

DAYANANDA SAGAR UNIVERSITY

15 May, 2015

To,  
The Vice Chancellor  
DSU, Bangalore

Sir,

Sub: BOS meeting in Mechanical engineering- reg.

The Board of Studies meeting is being held on 21<sup>st</sup> May, 2015 from 02.15 pm onwards. The BOS committee constitutes of the following members.

- |                              |                  |
|------------------------------|------------------|
| 1. Dr. B. Gurumurthy,        | Chairman         |
| 2. Dr. K. Ramachandra,       | Member           |
| 3. Dr. S. Seetharama         | Member           |
| 4. Mr. Srihari               | Member           |
| 5. Dr. P. Sriram             | Member           |
| 6. Dr. H. V. Lakshminarayana | Member           |
| 7. Dr. A. Goshal             | Member           |
| 8. Dr. D. C. Agarwal         | Member           |
| 9. Dr. K. Venkateshwaralu    | Member           |
| 10. Dr. C. P. S. Prakash     | Member           |
| 11. Dr. S. C. Pilli          | Member Convenor. |

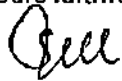
Kindly sanction Rs. 25,600/- (Twenty Five Thousand Six Hundred) towards local conveyance and sitting fees of the external members invited for the meeting.

The advance may please be issued to Prof. C. P. S. Prakesh, Head of Mechanical Engineering, DSCE.

Kindly do the needful,

Thanking you,

Yours faithfully,



DAYANANDA SAGAR UNIVERSITY

15 May, 2015

To,  
The Vice Chancellor  
DSU, Bangalore

Sir,

Sub: BOS meeting in Mechanical engineering- reg.

The Board of Studies meeting is being held on 21<sup>st</sup> May, 2015 from 02.15 pm onwards. The BOS committee constitutes of the following members.

1. Dr. B. Gurumurthy,	Chairman
2. Dr. K. Ramachandra,	Member
3. Dr. S. Seetharama	Member
4. Mr. Srihari	Member
5. Dr. P. Sriram	Member
6. Dr. H. V. Lakshminarayana	Member
7. Dr. A. Goshal	Member
8. Dr. D. C. Agarwal	Member
9. Dr. K. Venkateshwaralu	Member
10. Dr. C. P. S. Prakash	Member
11. Dr. S. C. Pilli	Member Convenor.

Permit us use board room for the said meeting from 02.15 pm onwards for the BOS meeting.

Thanking you,

Yours faithfully,



## DAYANANDA SAGAR UNIVERSITY

The Board of Studies meeting in Mechanical Engineering was held on 21<sup>st</sup> May, 2015 at 02.15 pm in the board room of DSCE.

The following members were present:


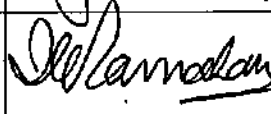
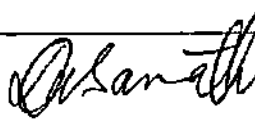
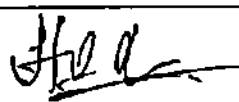
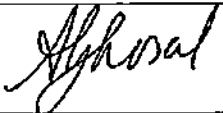
- |                                |                  |
|--------------------------------|------------------|
| 1. Prof. B. Gurumoorthy        | Chairman         |
| 2. Dr. K. Ramachandra          | Member           |
| 3. Mr. Dasharathi              | Member           |
| 4. Prof. H. V. Lakshminarayana | Member           |
| 5. Prof. A. Goshal             | Member           |
| 6. Prof. S. C. Pilli           | Member Secretary |

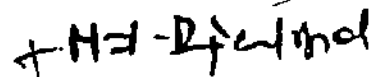
- 1 The member Secretary welcomed the chairman and, members.
- 2 Chairman made the opening remarks and took up the agenda for discussion.
- 3 The minutes of the first BOS meeting held on 17/04/2015 were read and confirmed.
- 4 The chairman deliberated the following agenda members actively discussed, and gave suggestions in the schemes and the syllabus discussed.
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- 9 The member secretary was authorised to incorporate the changes and finalize
  - a. Scheme of B.Tech (First year)
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    - i. Mechanical Engineering
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    - iii. Engineering Mechanics
    - iv. Workshop Practice

# DAYANANDA SAGAR UNIVERSITY

The Board of Studies meeting in Mechanical Engineering was held on 21<sup>st</sup> May, 2015 at 02.15pm in the board room of DSCE.

The following members were present:

Sl No.	Name	Designation	Signature
1	Prof. B. Gurumoorthy	Chairman	
2	Dr. K. Ramachandra	Member	
3	Dr. S. Seetharama	Member	
4	Mr. Dasharathi	Member	
5	Dr. P. Sriram	Member	
6	Prof. H. V. Lakshminarayana	Member	
7	Prof. A. Goshal	Member	
8	Dr. D. C. Agarwal	Member	
9	Dr. K. Venkateshwaralu	Member	
10	Prof. C. P. S. Prakash	Member	
11	Prof. S. C. Pilli	Member Secretary	



Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.

Dr. Sriram .P <sriram.p@rapsri.com>

11:45 AM (58  
minutes ago)

to Dasarathi, me, Gurumurthy, bgm, Prakash, A, D, Venkeshwaralu, Ramachandra, S, Lakshmir

Agree in total with Mr Dasarathi. Few areas of red , the undersigned would prefer green. For ex setting and running a CNC M/c.

Pl add: ( Apart from the views sent in previous mail )

In South Korea all engineering collages have standardised curricula. Employability skill is 96 %.

Flexibility in selecting courses( credits). Those who have the capability can opt for more courses and leave the final 2-3 sem relatively free for industry/collage projects.

The collage projects to have industrial relevance and should be for 2 semesters with very few exam credits

The aptitude of student to be arrived after first 2 semesters. Their projects should follow their aptitude. Ex Research/Academic/ Industry

In US collages, MS students can opt to finish all credits in first year. This allows free time long term projects in the dept or as joint one with industry.

University to formulate a policy to locate industries who are willing to plan joint projects with the students and pay them a monthly stipend.

Invest in a skill Development Centre ( SDC ). Interact with Industries/Machine Tools Industry for obtaining equipment under CSR. Look to industries for working machines

getting obsolete for donation to SDC.

Few projects based on:

- Low Cost automation.
- Lean Thinking.
- SPC - CP/CPK studies
- Productivity improvement studies
- Verbal and written proposals
- Data Analysis- Future growth area.
- Relevant Application Research

Implementing some of the observations by Mr Dasarathi and undersigned will lead to Dayananda becoming an unique and Branded University. Ex Sashttra University in Tanjavur.

Best Regards

sriram p

# DAYANANDA SAGAR UNIVERSITY

1st copy  
2nd copy  
End time

The Board of Studies meeting in Mechanical Engineering was held on 17<sup>th</sup> April, 2015 at 02.15 pm in the board room of DSCE.

The following members were present:

- |                                |                  |
|--------------------------------|------------------|
| 1. Prof. B. Gurumoorthy        | Chairman         |
| 2. Prof. A. N. N. Murthy       | Invitee          |
| 3. Mr. Dasharathi              | Member           |
| 4. Prof. H. V. Lakshminarayana | Member           |
| 5. Prof. A. Goshal             | Member           |
| 6. Prof. C. P. S. Prakash      | Member           |
| 7. Prof. S. C. Pilli           | Member Secretary |



- 1 The member Secretary welcomed the chairman, members and invitee Prof. A. N. N. Murthy.
- 2 Prof. A. N. N. Murthy highlighted the genesis of DSU, the programs being offered and the road map envisaged.
- 3 The chairman deliberated the following agenda members actively discussed, and gave suggestions in the schemes and the syllabus discussed.
  - a. Discussion on student outcomes
  - b. Guide lines for evaluation
  - c. Discussion on scheme of B.Tech(First year)
  - d. Scheme of B.Tech(Mechanical) from 3<sup>rd</sup> to 8<sup>th</sup> semester
  - e. Scheme of M.Tech in
    - i. Computer Integrated Manufacturing,
    - ii. Design Engineering,
    - iii. Thermal Power Engineering
  - f. Syllabus of First year courses:
    - i. Civil Engineering,
    - ii. Engineering Drawing,
    - iii. Mechanical engineering and
    - iv. Workshop practice.
- 4 The Scheme of teaching of B.E(First Year) and syllabus of Civil Engineering, Engineering Drawing, Mechanical engineering and Workshop practice following suggestions were made:
  - a) To rename Civil Engineering as Engineering Mechanics with syllabus covering Statistics, Kinematics and Dynamics.
  - b) To emphasize on Thermodynamics in the syllabus of Mechanical Engineering.
- 5 The Scheme of teaching was discussed for B.Tech (Mechanical Engineering) from 3<sup>rd</sup> to 8<sup>th</sup> Semesters and courses to be offered was finalised.
  - a) It was suggested to introduce HSS courses one every year from second year onwards.
  - b) It was suggested to emphasise on the practical's by having open experiments being designed and conducted by the students.
  - c) It was also suggested to incorporate hands on learning.
- 6 The Schemes of M.Tech in Computer Integrated Manufacturing, Design Engineering and Thermal Power Engineering were deliberated and courses to be taught were discussed.

X  
Chairman, M.Tech  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU 560 068

8

## DAYANANDA SAGAR UNIVERSITY

- 7 The member secretary was authorised to incorporate the changes and circulate the schemes of B.Tech(First Year), B.E(Mechanical Engineering) 3<sup>rd</sup> to 8<sup>th</sup> Semesters, Schemes of M.Tech in Computer Integrated manufacturing, Design Engineering and Thermal Power Engineering and draft syllabus in Engineering Drawing, Engineering mechanics, Mechanical Engineering and Workshop practice.
- 8 The meeting concluded with vote of thanks to the chair.



Member Convenor

Chairman

*Actions?*

16-04-2015

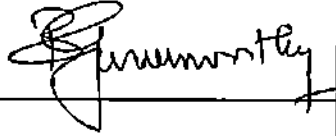
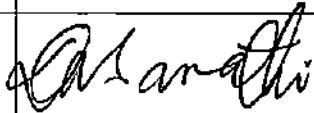


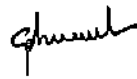

**MINUTES OF MEETING:****I.E. Syllabus**

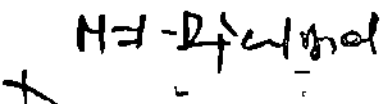
- ❖ All ~~units~~ 10 hours in Basic Electronics.
- ❖ In one hour tutorial they can do Lab. *of 2 hrs*
- ❖ Some problems in the book are <sup>to be</sup> worked by the students.
- ❖ Mixing students for continuous evaluation (not a good idea).
- ❖ One course in depth (5 units should be independent).
- ❖ Options in each Unit (For questions).
- ❖ One question for 10 Marks has to be looked into.
- ❖ Mathematical problems to be given to students.
- ❖ Final outcome :- It is left to the discretion of Lecturer ( "Tooley" - Book good enough ).
- ❖ For simulation be sure that students can be accommodated.
- ❖ Syllabus for electrical seems to be repeated or is it ?
- ❖ 52 hours or 45 hours ( All are in 10 hours ).
- ❖ (Instead of analog meters to go for advanced or latest ).
- ❖ Measurement & Instrument to be in 3<sup>rd</sup> Semester.
- ❖ S & S has to be made attractive. S & S to be 4<sup>th</sup> Semester and DSP to be 5<sup>th</sup> Semester.
- ❖ Control Systems to be 5<sup>th</sup> Semester.
- ❖ Microprocessors - 8086 and two higher processors.
- ❖ ( Move DIP to be elective and have DSP + DIP Lab ).
- ❖ CMOS VLSI syllabus contents has to be looked into.

## DAYANANDA SAGAR UNIVERSITY

The Board of Studies meeting in Mechanical Engineering held on 17<sup>th</sup> April, 2015 at 02.15 pm in the board room of DSCE.

The following members were present:

Sl No.	Name	Designation	Signature
1	Prof. B. Gurum <sup>oo</sup> parthy	Chairman	
2	Dr. K. Ramachandra	Member	
3	Dr. S. Seetharama	Member	
4	Mr. Dasharath <sup>h</sup>	Member	
5	Dr. P. Sriram	Member	
6	Prof. H. V. Lakshminarayana	Member	
7	Prof. A. Goshal	Member	
8	Dr. D. C. Agarwal	Member	
9	Dr. K. Venkateshwaralu	Member	
10	Prof. C. P. S. Prakash	Member	
11	Prof. S. C. Pilli	Member Secretary	

  
Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.

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BOS Meeting of DSU invite

People icon, star icon

Sharanabasava Pilli

Apr 10

To asitava@mecheng.iisc.emet.in karodi2002@yahoo.co.in

Dear Sir,

Greetings from Dayananda Sagar University

I thank you on behalf of DSU for accepting our invitation to be the part of Board of Studies in Mechanical engineering. It is my pleasure to work with you as Member Secretary of BOS. I look forward for your advice and support in this assignment.

I wish to bring it to your kind notice that, the first BOS meeting is scheduled on 17/4/2015, (Friday) at 2.15PM in the council hall besides Principals office of DSCE. I request you to make it convenient to attend the meeting and give your valuable suggestions in framing the effective curriculum for DSU.

I am attaching the scheme and subject list of 1) BE(first year) 2)BE(2,3,4 year) 3) M.Tech in Mechanical engineering for your perusal.

The university looks forward for your continued support in BOS activities.

Kindly acknowledge.

With warm regards,

Sharanabasava C Pilli  
Mobile:+919448001224

6 Attachments View all Download all

- BE\_FirstYr\_Scheme.docx View Download
- Codes\_BE\_FirstYear.docx View Download
- Codes\_BE\_Mech.docx View Download
- BE\_Mech\_Scheme.docx View Download
- MTech\_MEE\_Scheme.docx View Download
- M.Tech\_MEE\_Codes.docx View Download

*Agenda to be discussed?*

*Handwritten mark*

# DAYANANDA SAGAR UNIVERSITY

09 April, 2015

To,  
The Vice Chancellor  
DSU, Bangalore

Sir,

Sub: BOS meeting in Mechanical engineering- reg.

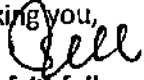
The Board of Studies meeting is being held on 17<sup>th</sup> April, 2015 from 02.15 pm onwards. The BOS committee constitute the following members.

- |                              |                  |
|------------------------------|------------------|
| 1. Dr. B. Gurumurthy,        | Chairman         |
| 2. Dr. K. Ramachandra,       | Member           |
| 3. Dr. S. Seetharama         | Member           |
| 4. Mr. Srihari               | Member           |
| 5. Dr. P. Sriram             | Member           |
| 6. Dr. H. V. Lakshminarayana | Member           |
| 7. Dr. A. Goshal             | Member           |
| 8. Dr. D. C. Agarwal         | Member           |
| 9. Dr. K. Venkateshwaralu    | Member           |
| 10. Dr. C. P. S. Prakash     | Member           |
| 11. Dr. S. C. Pilli          | Member Convenor. |

Kindly permit us use board room for the said meeting. Kindly sanction Rs. 40,000/- (Forty Thousand) towards travel and sitting fees of the external members invited for the meeting.

Kindly do the needful,

Thanking you,

  
Yours faithfully,

**DAYANDA SAGAR UNIVERSITY**

**Agenda for BOS Meeting in Mechanical Engineering on 17<sup>th</sup> April, 2015**

1. Welcome by Member Convener
2. Introductory remarks by Prof. A N N Murthy
3. Opening remarks by the chairman
4. Discussion on scheme of teaching for the first year.
5. Discussion on scheme of teaching for the M.Tech.
6. Discussion on syllabus for the first year.
7. Any other matter pertaining to academic delivery of the courses
8. Vote of thanks to the chair

*Sell*  
17/04/15

## DAYANANDA SAGAR UNIVERSITY

### Board of Studies in Mechanical Engineering

1	Dr. B. Gurumurthy	Chairman	bgm@mecheng.iisc.ernet.in	9972528596
2	Dr. K. Ramachandra	Member	drkrc2005@gmail.com	9448077779
3	Dr. S. Seetharama	Member	sub.ramu@gmail.com	9448282330
4	Mr.G V Dasarathi	Member	das@cncetc.in	9845858188
5	Dr. P. Sriram Rapsri	Member	sriram.p@rapsri.com	9845697756
6	Dr. H. V. Lakshminarayana	Member	hvl_mech2007@rediffmail.com	9880953599
7	Dr. A. Goshal	Member	asitava@mecheng.iisc.ernet.in	9740395571
8	Dr. D. C. Agarwal	Member	dcagar@gmail.com	9740741960
9	Dr. K. Venkateshwaralu	Member	Karodi2002@yahoo.co.in	9632730381
10	Dr. C. P. S. Prakash	Member	drcpsprakesh@gmail.com	9448667168
11	Dr. S. C. Pilli	Member Secretary	scpilli@yahoo.co.in	9448001224



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

#### MINUTES OF THE MEETING:

**Subject:** Board of Studies- B.Voc in Tool Engineering

**Venue:** Virtual

**Video call link:** <https://meet.google.com/tgx-kruh-kpr>

**Date:** 09-09-2021, Thursday

#### **Meeting Agenda:**

- 1) Finalization of scheme and syllabus for IV, V and VI semester
- 2) B.Voc admissions for current year
- 3) Conduction of examination and Question paper pattern
- 4) Discussion on offline conduction of classes
- 5) Any academic matter of interest

#### **List of BoS members and faculties present:**

Sl. No	Name, Designation & Affiliation	Contact Nos / Mail ID	Role
1	Prof. Vinayak Hemadri, Chairman Mechanical Engg. DSU	chairman-me@dsu.edu.in 9910275510	Chairman
2	Mr. Jayaraj B, Program Manager, Tool and Die making - NTTF	Jayarajb@nttf.co.in 9844445439	Member
3	Mr. Ramchandra, Associate Director, Head of syllabus and infrastructure -NTTF	sramachandran@nttf.co.in 9437027554	Member



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

4	Ms. Jasmi K K Dy, Manager NTTF	jasmikk@nttf.co.in 9995222867	Member
5	Dr. Rammohan Bhanumurthy, Professor, Mechanical Engineering DSU	rammohanb@dsu.edu.in, 9945131136	Member
6	Mr. Deepak V Assistant Professor, Mechanical Engineering DSU	deepak-me@dsu.edu.in 8951588852	Member
7	Mr. Vijaya Kumar S, Deputy Manager, Training and Skill Development, DSU	vijaykumar@dsu.edu.in 9886394532	Member
8	Ms. Sudha Deepthi, Assistant Manager - Centre of Competence for Automation Technologies-DSU	sudha-bosch@dsu.edu.in, 9502033737	Member
9	Dr. Manish Kumar, Assistant Professor, Mechanical Engineering DSU	manish-me@dsu.edu.in 7992438679	Member
10	Mr. Shashi Kant, Assistant Professor, Mechanical Engineering DSU	shashikant-me@dsu.edu.in, 6362013731	Member
11	Mr. Sandeep Assistant Professor, Mechanical Engineering DSU	sandeep-me@dsu.edu.in 9632909028	Member

**The outcome of the meeting after interaction among members is detailed below.**

- i. Dr. Vinayak B Hemadri , Chairman Mechanical Engineering DSU, welcomed the guests. He appreciated the cooperation extended by NTTF for smooth conduct of examinations and classes.
- ii. Deliberations were are carried out regarding changes to be made in the scheme and syllabus for IV, V and VI semester Tool Engineering. Based on the inputs from NTTF the amendment to the current scheme and syllabus is to be carried out.




# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

- iii. Mr. Deepak V presented the scheme and syllabus for IV, V and VI semester. Members present appreciated the introduction of Design thinking and Innovation theory and lab component to the curriculum. The syllabus for the course has been approved by the BOS Members. Prof Jayaraj suggested to use CATIA software for design thinking and innovation lab.
- iv. ~~The discussion on Automation = Pneumatics and Hydraulics both theory and lab component has been carried out. The addition of module on electro-hydraulics and electro-pneumatics is approved.~~
- v. Discussion on product design and manufacturing as an elective for fifth semester curriculum has been carried out. Members present approved the syllabus.
- vi. ~~Introduction of Fundamentals of AI and ML as an elective for sixth semester appreciated by all the members~~
- vii. DSU requested for promotional event for BVOC admissions at NTTF. The dignitaries from NTTF accepted and ensured for the promotional event during the NTTF admission.
- viii. Mode of conduction of BVOC examinations at DSU and question paper pattern for BVOC is to be finalized after discussion with COE NTTF.
- ix. Members appreciated the initiative taken by DSU to carry out minor project using industry specific simulation and Modeling software like Fusion -360, CATIA, AutoCAD and Ansys.
- x. Offline classes with stress on accelerated lab in early weeks has to be carried out to finish the labs at the faster pace. Offline classes for the BVOC tool engineering can be conducted as per DSU guidelines.

  
Chairman Mechanical Engineering,  
School of Engineering, DSU  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



Dayananda Sagar  
University

Chairman MECH <chairman-me@dsu.edu.in>

## B VOC Tool Engineering BOS Meeting (9-9-2021) @ 10.00 am-Online Mode

3 messages

Chairman MECH <chairman-me@dsu.edu.in>

Wed, Sep 8, 2021 at 3:32 AM

To: Gibson M <gibsonm@nttf.co.in>, gsk <gsk@nttf.co.in>, vrnttf@yahoo.com, "Saravana Kumar C.Y" <saravana@duracarb-india.com>, Praveen G <praveen.g@indo-mim.com>, Jasmi K K <jasmikk@nttf.co.in>, "PROF. DEEPAK V" <deepak-me@dsu.edu.in>, Vijay Kumar <vijaykumar@dsu.edu.in>, sramachandran@nttf.co.in, jayarajb@nttf.co.in  
Cc: "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>

Dear Sir?Madam,

Due to some inconvenience the mode of BOS meeting for Tool Engineering has been changed from offline to online.

Kindly find the link below to join the meeting. Looking forward for your kind presence to the meeting.

**Video call link:** <https://meet.google.com/tgx-kruh-kpr>

Time: 10.00am

Online (google meet)

Sorry for the inconvenience

Thanks & Regards,

Dr. Vinayak Hemadri

Chairman(Incharge), Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate  
Bengaluru- 560 068.

Mobile: +91-9910275510

Email : chairman-me@dsu.edu.in  
vinayak-me@dsu.edu.in  
vinayakhemadri@gmail.com

Website : [www.dsu.edu.in](http://www.dsu.edu.in)

On Mon, Sep 6, 2021 at 10:02 PM Chairman MECH <chairman-me@dsu.edu.in> wrote:

Dear Sir/Mam,

It's a gentle reminder for the BOS meeting on 9-9-21 (Thursday) at 10.00 am, Campus -3, Kudlu gate Hosur main Road. I request for your presence for the meeting. Please find agenda for BOS as an attachment.

Thanks & Regards,

Dr. Vinayak Hemadri

Chairman(Incharge), Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate  
Bengaluru- 560 068.

Mobile: +91-9910275510

Email : chairman-me@dsu.edu.in  
vinayak-me@dsu.edu.in  
vinayakhemadri@gmail.com

Website : [www.dsu.edu.in](http://www.dsu.edu.in)

----- Forwarded message -----

From: Chairman MECH <chairman-me@dsu.edu.in>

Date: Wed, Sep 1, 2021 at 3:15 PM

Subject: B VOC Tool Engineering BOS Meeting (9-9-2021) @ 10.00 am

To: Gibson M <gibsonm@nttf.co.in>, gsk <gsk@nttf.co.in>, <vrnttf@yahoo.com>, Saravana Kumar C.Y <saravana@duracarb-india.com>, Praveen G <praveen.g@indo-mim.com>, Jasmi K K <jasmikk@nttf.co.in>, PROF. DEEPAK V <deepak-me@dsu.edu.in>, Sandeep M J <sandeep-me@dsu.edu.in>, Shashi Kant Kumar <shashikant-me@dsu.edu.in>, Manish Kumar Mishra <manish-me@dsu.edu.in>, Sudha Depthi <sudha-bosch@dsu.edu.in>  
Cc: Dr.A.Srinivas Dayananda Sagar University <dean-engg@dsu.edu.in>, Prof. Subrahmanya Katte <drsskatte@dsu.edu.in>, Dayananda Sagar University <dir-admin@dsu.edu.in>, Guruvenkatesh M N <gm-cr@dayanandasagar.edu>, Vijay Kumar <vijaykumar@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, Mr Uday Shetty <cfo@dsu.edu.in>, Dr. KNB Murthy <vicechancellor@dsu.edu.in>

Dear Sir/Madam,

" Warm wishes from DSU"

We are pleased to invite you to the BOS meeting for Tool Engineering on 9-9-21 at 10.00 am, Campus -3, Kudlu gate Hosur main Road. The following points will be discussed during the meeting,,,

- 1) Finalization of scheme and syllabus for V and VI sem
- 2) B VOC admissions for current year
- 3) Conduction of examination and question paper pattern
- 4) Discussion on offline conduction of classes
- 5) Any academic matter of interest

I request for your valuable presence for the meeting.

Thanks & Regards,

Dr. Vinayak Hemadri  
Chairman(Incharge), Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate  
Bengaluru- 560 068.

Mobile: +91-9910275510

Email : chairman-me@dsu.edu.in  
vinayak-me@dsu.edu.in  
vinayakhemadri@gmail.com

Website : www.dsu.edu.in

---

Chairman MECH <chairman-me@dsu.edu.in>  
To: sramachandran@nttf.co.in

Wed, Sep 8, 2021 at 4:21 AM

Dear Sir,

Please find the link in the trailing mail.

[Quoted text hidden]

---

Chairman MECH <chairman-me@dsu.edu.in>  
To: sakethsr@gmail.com

Wed, Sep 8, 2021 at 5:25 AM

Dear Sir, please find link below..

<https://meet.google.com/tgx-kruh-kpr>

[Quoted text hidden]



Dayananda Sagar  
University

Chairman MECH <chairman-me@dsu.edu.in>

## B VOC Tool Engineering BOS Meeting (9-9-2021) @ 10.00 am

6 messages

Chairman MECH <chairman-me@dsu.edu.in>

Wed, Sep 1, 2021 at 2:45 AM

To: Gibson M <gibsonm@nttf.co.in>, gsk <gsk@nttf.co.in>, vrnttf@yahoo.com, "Saravana Kumar C.Y" <saravana@duracarb-india.com>, Praveen G <praveen.g@indo-mim.com>, Jasmi K K <jasmikk@nttf.co.in>, "PROF. DEEPAK V" <deepak-me@dsu.edu.in>, Sandeep M J <sandeep-me@dsu.edu.in>, Shashi Kant Kumar <shashikant-me@dsu.edu.in>, Manish Kumar Mishra <manish-me@dsu.edu.in>, Sudha Depthi <sudha-bosch@dsu.edu.in>

Cc: "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, "Prof. Subrahmanya Katte" <drsskatte@dsu.edu.in>, Dayananda Sagar University <dir-admin@dsu.edu.in>, Guruvenkatesh M N <gm-cr@dayanandasagar.edu>, Vijay Kumar <vijaykumar@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, Mr Uday Shetty <cfo@dsu.edu.in>, "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>

Dear Sir/Madam,

" Warm wishes from DSU"

We are pleased to invite you to the BOS meeting for Tool Engineering on 9-9-21 at 10.00 am, Campus -3, Kudlu gate Hosur main Road. The following points will be discussed during the meeting,...

- 1) Finalization of scheme and syllabus for V and VI sem
- 2) B VOC admissions for current year
- 3) Conduction of examination and question paper pattern
- 4) Discussion on offline conduction of classes
- 5) Any academic matter of interest

I request for your valuable presence for the meeting.

Thanks & Regards,

Dr. Vinayak Hemadri  
Chairman(Incharge), Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate  
Bengaluru- 560 068.

Mobile: +91-9910275510

Email : chairman-me@dsu.edu.in

vinayak-me@dsu.edu.in

vinayakhemadri@gmail.com

Website : www.dsu.edu.in

Sudha Deepthi <sudha-bosch@dsu.edu.in>

Wed, Sep 1, 2021 at 2:58 AM

To: Chairman MECH <chairman-me@dsu.edu.in>

Cc: Gibson M <gibsonm@nttf.co.in>, gsk <gsk@nttf.co.in>, vrnttf@yahoo.com, "Saravana Kumar C.Y" <saravana@duracarb-india.com>, Praveen G <praveen.g@indo-mim.com>, Jasmi K K <jasmikk@nttf.co.in>, "PROF. DEEPAK V" <deepak-me@dsu.edu.in>, Sandeep M J <sandeep-me@dsu.edu.in>, Shashi Kant Kumar <shashikant-me@dsu.edu.in>, Manish Kumar Mishra <manish-me@dsu.edu.in>, "Dr.A.Srinivas Dayananda Sagar University" <dean-engg@dsu.edu.in>, "Prof. Subrahmanya Katte" <drsskatte@dsu.edu.in>, Dayananda Sagar University <dir-admin@dsu.edu.in>, Guruvenkatesh M N <gm-cr@dayanandasagar.edu>, Vijay Kumar <vijaykumar@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, Mr Uday Shetty <cfo@dsu.edu.in>, "Dr. KNB Murthy" <vicechancellor@dsu.edu.in>

Thanks sir I will attend the meeting.

[Quoted text hidden]

--

**THANK YOU & BEST REGARDS**

**K. Sudha Deepthi (B.TECH MECHANICAL , M.TECH AEROSPACE,  
Pursuing Ph.D , SOE - DSU)**

Assistant Manager at Dayananda Sagar University - Bosch Rexroth Centre of Competence for Automation

Technologies.

Dayananda Sagar University,

Innovation Campus,

Bengaluru-560068

Ph.No. 9502033737

E-mail Id: sudha-bosch@dsu.edu.in

---

Chairman MECH <chairman-me@dsu.edu.in>

Wed, Sep 1, 2021 at 3:11 AM

To: Sudha Deepthi <sudha-bosch@dsu.edu.in>

Plz discuss with deepak while framing syllabus

[Quoted text hidden]

[Quoted text hidden]

---

Sudha Deepthi <sudha-bosch@dsu.edu.in>

Wed, Sep 1, 2021 at 3:13 AM

To: Chairman MECH <chairman-me@dsu.edu.in>

Sure sir I will do that.

[Quoted text hidden]

---

Jasmi K K <JasmiKK@nttf.co.in>

Tue, Sep 7, 2021 at 8:12 PM

To: "chairman-me@dsu.edu.in" <chairman-me@dsu.edu.in>

Cc: Jayaraj B <jayarajb@nttf.co.in>

Dear Sir

Greetings from NTTF Electronics City!!!

Thank you for inviting us .

We would like to confirm our availability for the meeting

The following members will attend the meeting from NTTF Electronics City.

1. Mr. Jayaraj B , Div. Manager

Program Manager, Diploma in Tool Engineering and Digital Manufacturing

2.Ms. Jasmi K K, Dy. Manager

Thanks & Regards

Jasmi K K

Dy. Manager



Securing your Future with your own Hands

NETTUR TECHNICAL TRAINING FOUNDATION

Electronic City, Hosur Road

Bangalore 560 100

www.nttfrg.com

9995222867

JasmiKK@nttf.co.in

---

**From:** Chairman MECH <chairman-me@dsu.edu.in>

**Sent:** 01 September 2021 15:15

**To:** Gibson M <gibsonm@nttf.co.in>; Kalpana G S <gsk@nttf.co.in>; vrnttf@yahoo.com <vrnttf@yahoo.com>; Saravana Kumar C.Y <saravana@duracarb-india.com>; Praveen G <praveen.g@indo-mim.com>; Jasmi K K <JasmiKK@nttf.co.in>; PROF. DEEPAK V <deepak-me@dsu.edu.in>; Sandeep M J <sandeep-me@dsu.edu.in>; Shashi Kant Kumar <shashikant-me@dsu.edu.in>; Manish Kumar Mishra <manish-me@dsu.edu.in>; Sudha Depthi <sudha-bosch@dsu.edu.in>

**Cc:** Dr.A.Srinivas Dayananda Sagar University <dean-engg@dsu.edu.in>; Prof. Subrahmanya Katte <drsskatte@dsu.edu.in>; Dayananda Sagar University <dir-admin@dsu.edu.in>; Guruvenkatesh M N <gm-cr@dayanandasagar.edu>; Vijay Kumar <vijaykumar@dsu.edu.in>; Registrar DSU <registrar@dsu.edu.in>; Mr Uday Shetty <cfo@dsu.edu.in>; Dr. KNB Murthy <vicechancellor@dsu.edu.in>

**Subject:** B VOC Tool Engineering BOS Meeting (9-9-2021) @ 10.00 am

[Quoted text hidden]

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---

**Chairman MECH** <chairman-me@dsu.edu.in>

To: Jasmi K K <JasmiKK@nttf.co.in>

Tue, Sep 7, 2021 at 8:17 PM

Thank you Mam

[Quoted text hidden]

[Quoted text hidden]



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

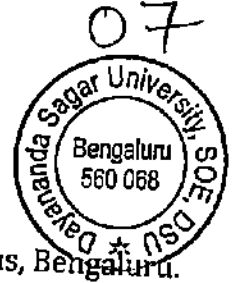
### DEPARTMENT OF MECHANICAL ENGINEERING

#### MINUTES OF THE MEETING:

**Subject:** Board of Studies- B.Voc in Tool Engineering

**Venue:** Board Room, 3<sup>rd</sup> Floor, 'A' Block, Dayananda Sagar University Campus, Bengaluru.

**Date:** Saturday, 19/02/2020



#### Meeting Agenda:

1. Review Scheme & Syllabus for the BVoc Tool Engineering Program for all semesters
2. Student projects
3. Results Analysis
4. Conducting Semester End Examination (SEE) at DSU

#### List of BoS members and faculties present:

Sl. No	Name, Designation & Affiliation	Contact Nos / Mail ID	Role
1	Prof. M.S. Rajagopal, Chairman Mechanical Engg.. DSU	9900977220, msrajagopal@yahoo.com	Chairman
2	Mr. C Y Saravana Kumar, Regional manager, Taegutec, India	9686606868, saravanakumar@taegutec-india.com	Member
3	Mr. Gibson, General Principal SPG, NTTF	7353754994, gibsonm@nttf.co.in	Member
4	Mr. Rajashekar, Principal, NTTF	9844080422 rajasekaranv@nttf.co.in	Member
5	Mr. Jayaraj B, Program Manager, Tool and Die making	jayarajb@nttf.co.in 9844445439	Member
6	Mrs. Kalpana, G,M, Exam Cell NTTF	gsk@nttf.co.in 9844079818	Special Invitee
7	Dr. Vinayak B Hemadri, Associate Professor,	9910275510, vinayak-me@dsu.edu.in	Member

Chairman, *[Signature]*  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

	Mechanical Engineering DSU		
8	Dr. Mritynajayaswamy K M Associate Professor, Mechanical Engineering DSU	<u>swamykmm-me@dsu.edu.in</u> 9448013081	Member
9	Mr. Deepak V Assistant Professor, Mechanical Engineering DSU	<u>deepak-me@dsu.edu.in</u> 8951588852	Member
10	Mr. Shiva Mani Kanta J V Assistant Professor, Mechanical Engineering DSU	<u>shivamanikjv-me@dsu.edu.in</u> 8951373331	Member
11	Ms. Jasmi K K Dy. Manager NTTF		Member
12	K Surendra Kumar, Assistant Manager NTTF		Member
13	Mr. S. S Gopal, Head Training and placement, DSU	9844727344 ssgopal@dsu.edu.in	Special Invitee
14	Mr. Vijaya Kumar S, Deputy Manager, Training and Skill Development, DSU	<u>vijaykumar@dsu.edu.in</u> 9886394532	Special Invitee
15	Mr. Vageesh. Dy. Registrar-Exam DSU	coe@dsu.edu.in 9844408275	Special Invitee

The outcome of the meeting after interaction among members is detailed below.

- i. Prof. M S Rajagopal, Chairman Mechanical Engineering DSU, welcomed the guests. He appreciated the cooperation extended by NTTF for smooth conduct of examinations. Mr.S S Gopal Training and Placement officer SoE, introduced the guests.
- ii. Deliberations were carried out regarding changes to be made in the scheme and syllabus for the academic year 2019 -20, B VoC Tool Engineering. Based on the inputs from NTTF the amendment to the current scheme and syllabus will be carried out.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

- iii. Mr. Deepak V suggested to introduce Merchant's circle diagram and Taylor's Tool Life Equation for Production Technology -I in the current syllabus. Mr Gibson suggested for industry and outcome specific syllabus and should help students in their professional life. All members agreed for the suggestion.
- iv. Mr. Jayaraj & Mr. Gibson mentioned that the subjects titles have been changed in I & II Semester for 2019-20 batch. They mentioned that they will share the details of scheme & syllabus.
- v. Members appreciated the initiative taken by DSU to carry out minor project during V Semester using industry standard simulation and Modeling software like Fusion -360, CATIA and Ansys.
- vi. As suggested by BoS members, design aspect of final year project should be completed in V semester at NTTF/DSU and the fabrication of the project to be completed during VI Semester at NTTF. The review of the project will be carried out jointly.
- vii. Members appreciated the introduction of mold flow analysis for final year project by DSU.
- viii. All the members suggested for industry visits and invited talk from industry experts for BVoC students, which help them in understanding the concepts in a better way.
- ix. Results analysis for I, III and V semester B VoC Tool engineering was presented by DSU for the academic year 2019-20. Members appreciated evaluation and grading process and suggested for the speedy announcement of results to facilitate the students.
- x. All the members agreed to the suggestion by Prof. Rajagopal, Chairman Mechanical Engineering to carry out B VoC Tool engineering theory exams at DSU.

H. B. Rajagopal 20/2/2020

Chairman Mechanical Engineering,

School of Engineering, DSU  
Department of Mechanical Engineering

School of Engineering,

Dayananda Sagar University,

Kudlu Gate, Hosur Main Road,

BANGALORE - 560 068.



Dayananda Sagar University  
School of Engineering,  
DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 19-02-2020

Attendance BOS Meeting  
B Voc Tool Engineering

List of BoS members and faculties present

Sl. No	Name, Designation & Affiliation	Signature
1	G.S. Kalpana Sr. GM & COE	
2	V. Rajasekaram, Principal NEC	
3	Gibson M. Sr. G.M - Syllabus & Infrastructure	
4	JAYARAJ. B Div. M. - Program Manager (CPool and Dic)	
5	Jasvni K.K, Dy. Manager. NTTF	
6	K. SURENDRAR KUMAR, ASST - Manager - NTTF	
7	Dnyanayale B. Hemal	
8	Dr. Nityanjanyashree CM	
9	C.Y. Saravona Kumar, Taeguties	
10	S. VAGEESHU, Dy. Registrar - Exam, DSU	



Dayananda Sagar University  
School of Engineering,  
DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 19-02-2020

11	VIJAY KUMAR.S, Deputy Director Training & Skill development	
12	S.S.SRINIVASA GOPAL .S.S. Head - Tqg & placements	
13	Dr. M.V. RAJASHEKHAR Chairman - Mechanical Engrs, SOE-DSU.	M.V. Rajashekhara
14	SHIVAMANI KANTA.J.V. ASSISTANT PROFESSOR, DSU, SOE.	
15		
16		



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

#### MINUTES OF THE MEETING:



**Subject:** Board of Studies- B.Voc in Tool Engineering

**Venue:** Board Room, 3<sup>rd</sup> Floor, 'A' Block, Dayananda Sagar University Campus, Bengaluru.

**Date:** Saturday, 07/03/2019

#### Meeting Agenda:

- Results Analysis of I & III Semesters
- Finalization of Scheme & Syllabus for V & VI Semester
- Any other important points

#### List of BoS members and faculties present:

Sl. No	Name, Designation & Affiliation	Contact Nos / Mail ID	Role
1	Prof. M.S. Rajagopal, Chairman Mechanical Engg., DSU	9900977220, msrajagopal@yahoo.com	Chairman
2	Mr. Praveen G, Sr. Manager-HR, Indo-mim, Doddaballpur	9880697717 praveen.g@indo-mim.com	Member
3	Mr. Rajashekar, Principal, NTTF	9844080422 rajasekarav@nttf.co.in	Member
4	Mr. Gibson, General Manager, Principal SPG, NTTF	7353754994, gibsonm@nttf.co.in	Member
5	Mr. Ayyappan R , Principal ,NEC	ayyappanr@nttf.co.in	Special Invitee
5	Mrs. Kalpana, G,M, Exam Cell NTTF	gsk@nttf.co.in 9844079818	Special Invitee
7	Dr. Vinayak B Hemadri, Associate Professor, Mechanical Engineering DSU	9910275510, vinayak-me@dsu.edu.in	Member
8	Mr. Deepak V	deepak-me@dsu.edu.in	Member

*M. S. Rajagopal*  
Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

	Assistant Professor, Mechanical Engineering DSU	8951588852	
9	Mr. Shiva Mani Kanta J V Assistant Professor, Mechanical Engineering DSU	<a href="mailto:shivamanikjv-me@dsu.edu.in">shivamanikjv-me@dsu.edu.in</a> 8951373331	Member
10	Mr. Shashikant Kumar, Assistant Professor, Mechanical Engineering DSU	9262267399 <a href="mailto:Shashikant-me@dsu.edu.in">Shashikant-me@dsu.edu.in</a>	Member
11	Mr. S. S Gopal, Head Training and placement, DSU	9844727344 <a href="mailto:ssgopal@dsu.edu.in">ssgopal@dsu.edu.in</a>	Special Invitee

**The outcome of the meeting after interaction among members is detailed below.**

- i. Prof. M S Rajagopal, Chairman Mechanical Engineering DSU, welcomed the guests. He appreciated the cooperation extended by NTTF for smooth conduct of examinations.
- ii. Mr Deepak V presented the I and III semester results as well as scheme and syllabus for B.VoC Tool Engineering stream, all the members pleased by the performance of the students.
- iii. The scheme for V and VI semester B VOC Tool Engineering was presented. The members present satisfied with scheme and the credits allotted to the subjects.
- iv. Members appreciated the inclusion of Electives for V and VI Semester and audit courses for V Semester.
- v. A detailed discussion was carried to finalize the elective courses. All the members advised for Advanced Mould techniques as elective for V Semester and Lean Manufacturing System (LMS) for VI Semester B VOC Curriculum.
- vi. Mr Praveen G suggested for detailed coverage of Module I (Injection molding techniques and Metal molding Techniques) for Advanced Mould techniques. The members suggested to cover mould flow analysis through software.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

- vii. The BOS Members suggested to have guest lectures from Industry experts on specific topics for Production Management Control course for V Semester. They advised to cover practical related case studies for Lean Manufacturing.
- viii. All members appreciated the inclusion of Environmental Studies as audit course.
- ix. Members emphasized upon collaborative projects with NTTF for final year students.
- x. The inclusion of injection Mold and Press Tool Design using CATIA software welcomed by all BOS Members.

*H. R. P. U. S.*

Chairman Mechanical Engineering,

School of Engineering, DSU  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



# Dayananda Sagar University

School of Engineering,

DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 07-03-2019

## Attendance BOS Meeting B Voc Tool Engineering

List of BoS members and faculties present:

Sl. No	Name, Designation & Affiliation	Signature
1	V Rajasekaran Principal, Bangalore Trng Centre (Peenya)	 5/3/2019
2	Poraween G Sr. Manager - HR, Indo-nim, Doddaballapur	 7/3/19
3	Gibson - M Principal - SPG, NTTF, Bangalore	 7/3/19
4	G.S. Kalpana General Manager - Certifications, NTTF	 7/3/2019
5	Ajayappa R Principal, NEC	 7/3/2019
6	Jasmi K.K Vice Principal - NEC	 07/03/19
7	M.M. Silecsha Asst Manager (Trng.) - NEC Bangalore	 07/03/2019
8	Dr. Vaibha An SOE DSU Bangalore-88	 07/03/19
9	M.H. L/M / Dr. M.L. RAJARAMPAL - Chairman - ME - / DSO	 7/3/19
10	Deepak.V Assistant Professor, DSU	 07/03/2019



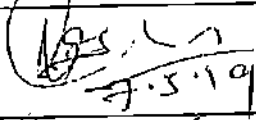
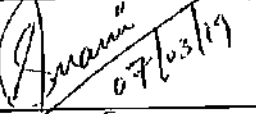
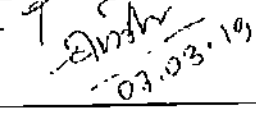
# Dayananda Sagar University

School of Engineering,

DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 07-03-2019

11	Dr. Vinayale. S. Hemadri, Associate Professor, DSU, Bangalore	 7.5.19
12	Shiva Mani Kanta. J.V. Assistant Professors DBE, Bangalore	 07/03/19
13	Mr. Shashi Kant Kumar, Assistant Professor, CoE, DSU, Bangalore	 07.03.19
14		
15		
16		

Lunch for B Voc Trainees.

Inbox x

Rajasekaran V <VR@nttf.co.in>

Thu, Mar 7, 3:28 PM (2 day ago)

to Chairman, me, Gopal, Ayyappan, Jasmi

Dear Sir,

Kindly arrange to provide Lunch for our B Voc Trainees on all Saturdays when they are available in DSU campus.

Around 70 Trainees are interested to utilize your Canteen Lunch facilities and the cost aspect can be discussed.

Kindly support us to introduce from 9/3/2019 onwards.

Regards,

V. Rajasekaran.

Disclaimer : This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited. The information contained in this mail is propriety and strictly confidential'

Chairman MECH

Thu, Mar 7, 3:37 PM (2 day ago)

to Registrar, Gopal, me

Dear Sir,

Please find details in the forwarded mail. In today's BOS meeting all NTTF members pointed out that DSU needs to provide lunch on Saturdays (I & III) for both TE & Mechatronics students. They are ready to bear the expenses. Presently, they are using our canteen on II & IV Saturdays, since canteen is functional.

We request your help to resolve this issue.

Thanks & Regards,

Prof. M.S. Rajagopal

Chairman, Department of Mechanical Engineering,

Dayananda Sagar University,

Hosur Main Road, Kudlu Gate

Bengaluru- 560 068. Mobile: +91-9900977220

Email : [chairman-me@dsu.edu.in](mailto:chairman-me@dsu.edu.in)

[msrajagopal@yahoo.com](mailto:msrajagopal@yahoo.com)

Website : [www.dsu.edu.in](http://www.dsu.edu.in)

To

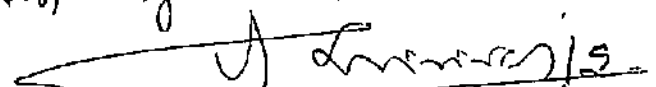
Dean.

Request your approval.

M.S. Rajagopal 9/3/19

Forwarded to the Registrar.

I am informed that the charges for Lunch for NTTF students will be paid by NTTF.



Lunch for B Voc Trainees. Inbox

Rajasekaran V <VR@clt.f.co.in>  
to Chairman, me, Gopal, Ayyappan, Jazmi

Thu, Mar 7, 3:28 PM (2 days ago)

Dear Sir,

Kindly arrange to provide Lunch for our B Voc Trainees on all Saturdays when they are available in DSU campus. Around 70 Trainees are interested to utilize your Canteen Lunch facilities and the cost aspect can be discussed. Kindly support us to introduce from 9/3/2019 onwards.

Regards,

V. Rajasekaran.

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Chairman MECH  
to Registrar, Gopal, me

Thu, Mar 7, 3:37 PM (2 days ago)

Dear Sir,

Please find details in the forwarded mail. In today's BOS meeting all NITF members pointed out that DSU needs to provide lunch on Saturdays (I & II) for both TE & Mechatron. They are ready to bear the expenses. Presently, they are using our canteen on II & IV Saturdays, since canteen is functional.

We request your help to resolve this issue.

Thanks & Regards,

Prof. M.S. Rajogopal  
Chairman, Department of Mechanical Engineering,  
Dayananda Sagar University,  
Hosur Main Road, Kudlu Gate  
Bengaluru-560 068.

Mobile: +91-9900977220  
Email : [chairman-me@dsu.edu.in](mailto:chairman-me@dsu.edu.in)  
[marajogopal@yahoo.com](mailto:marajogopal@yahoo.com)

Website : [www.dsu.edu.in](http://www.dsu.edu.in)



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

#### MINUTES OF THE MEETING:



**Subject:** Board of Studies- B.Voc in Tool Engineering

**Venue:** Board Room, 3<sup>rd</sup> Floor, 'A' Block, Dayananda Sagar University Campus, Bengaluru

**Date:** Saturday, 31/07/2018

#### Meeting Agenda:

1. Finalization of scheme and syllabus for III and IV semester
2. II Semester exam update
3. Plan to execute III and IV semester exams
4. Audit Courses
5. Any other points

#### List of BoS members and faculties present:

Sl. No	Name, Designation & Affiliation	Contact Nos / Mail ID	Role
1	Prof. M.S. Rajagopal, Chairman Mechanical Engg.. DSU	9900977220, msrajagopal@yahoo.com	Chairman
2	Mr. C Y Saravana Kumar, Regional manager, Taegutec, India	9686606868, saravanakumar@taegutec-india.com	Member
3	Mr. Rajashekar, Principal, NTTF	9844080422 rajasekarav@nttf.co.in	Member
4	Mr. Gibson, General Manager, Principal SPG, NTTF	7353754994, gibsonm@nttf.co.in	Member
5	Mrs. Kalpana, G,M, Exam Cell NTTF	gsk@nttf.co.in 9844079818	Special Invitee
6	Dr. Vinayak B Hemadri, Associate Professor, Mechanical Engineering DSU	9910275510, vinayak-me@dsu.edu.in	Member

*Handwritten signature*

Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

7	Dr. Mritynjayaswamy K M Associate Professor, Mechanical Engineering	<u>swamykmm-me@dsu.edu.in</u> 9448013081	Member
8	Mr. Deepak V Assistant Professor, Mechanical Engineering DSU	<u>deepak-me@dsu.edu.in</u> 8951588852	Member
9	Mr. Shiva Mani Kanta J V Assistant Professor, Mechanical Engineering DSU	<u>shivamanikjv-me@dsu.edu.in</u> 8951373331	Member
10	Mr. S. S Gopal, Head Training and placement, DSU	9844727344 ssgopal@dsu.edu.in	Special Invitee

The outcome of the meeting after interaction among members is detailed below.

- i. Prof. M S Rajagopal, Chairman Mechanical Engineering DSU, welcomed the guests. He appreciated the cooperation extended by NTTF for smooth conduct of examinations.
- ii. Mr. S S Gopal, briefed the scheme of III and IV semester. The members present satisfied with scheme and the credits allotted to the subjects
- iii. Members appreciated the inclusion of audit courses for III and IV semester B .Voc Tool Engineering. Constitutional ethics (III semester) and Kannada Language (IV Semester) have been added as audit courses.
- iv. The detailed syllabus for III and IV semester was presented to the committee. The syllabus has been approved by the committee and recommended minor changes.
- v. Members emphasized upon importance of certificate course on Hydraulics and Pneumatics at Bosch Rexroth Lab.
- vi. Suggestion on inclusion of mini project for IV semester students has been appreciated and welcomed by the members.



**Dayananda Sagar University**

**School of Engineering**

**Hosur Main Road, Kudlu Gate, Bengaluru-560068**

- vii. An industrial visit has to be planned in both III and IV semester as suggested by Mr. Saravana Kumar.
- viii. Results of II semester were presented and discussed.



Dayananda Sagar  
University

Chairman MECH <chairman-me@dsu.edu.in>

## BVoc - "Tool Engineering"- BOS Meeting on 31.07.18, 11.00 A.M @ DSU - Campus II, Kudlu Gate Inbox x

11 messages

Chairman MECH <chairman-me@dsu.edu.in> Fri, Jul 27, 2018 at 1:44 AM  
 To: Gibson M <gibsonm@nttf.co.in>, Salathiel Devanur <sy\_devanur@yahoo.com>, Praveen G <praveen.g@indo-mim.com>, "Rajagopala.K.S Quad" <raj.quad@gmail.com>, Saravana Kumar <saravanakumar@taegutec-india.com>, gsk <gsk@nttf.co.in>, rajasekaranv@nttf.co.in  
 Cc: sudharshanbv@nttf.co.in, Dean Engineering <dean-engg@dsu.edu.in>, "Dr.A.N.N Murthy" <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, Mr Uday Shetty <cfo@dsu.edu.in>, Satish <cio@dayanandasagar.edu>, Guruvenkatesh <dsi\_placement@yahoo.com>, "Prof. Anitha R" <coe@dsu.edu.in>, Vinayak Hemadri <vinayak-me@dsu.edu.in>, Gopal S S <ssgopal@dsu.edu.in>, Shashidhara L C <shashidhar-me@dsu.edu.in>, Deepak V <deepv239@gmail.com>  
 Bcc: Bhaskar N Chittalkar <facilitymanager@dsu.edu.in>, Arathi Lakshmipathy <admin-se@dsu.edu.in>

Dear All,

Greetings from SOE, DSU.

I am happy to invite you all for the third BOS meeting scheduled at DSU Campus, Kudlu Gate on 31st July, 2018 at 11.00 A.M.

The Agenda for the meeting will be to finalize the III & IV Semester Scheme & Syllabus for the BVoc Tool Engineering Program. We apologize for short notice and request you to attend the same.

We appreciate your confirmation for the BOS meeting.

Thanking you,

Thanks & Regards,

Prof. M.S. Rajagopal  
 Chairman, Department of Mechanical Engineering,  
 Dayananda Sagar University,  
 Hosur Main Road, Kudlu Gate  
 Bengaluru- 560 068.

Mobile: +91-9900977220  
 Email : chairman-me@dsu.edu.in  
 msrajagopal@yahoo.com

Website : www.dsu.edu.in

Chairman MECH <chairman-me@dsu.edu.in> Fri, Jul 27, 2018 at 1:58 AM  
 To: Bhaskar N Chittalkar <facilitymanager@dsu.edu.in>  
 Cc: Registrar DSU <registrar@dsu.edu.in>, Dean Engineering <dean-engg@dsu.edu.in>, Gopal S S <ssgopal@dsu.edu.in>, Vinayak Hemadri <vinayak-me@dsu.edu.in>, Arathi Lakshmipathy <admin-se@dsu.edu.in>

Dear Bhaskar,

In view of BVoc-BOS meeting on 31.07.18, we request you to arrange for the following.

1. Tea & Snacks at 11.00 A.M for 12 Members

2. Spécial Lunch at 12.45 P.M for 12 Members

[Quoted text hidden]

---

Saravana Kumar <saravanakumar@taegutec-india.com>  
To: Chairman MECH <chairman-me@dsu.edu.in>

Fri, Jul 27, 2018 at 1:58 AM

Sir,

I confirm my presence.

*Warm Regards,*

*C.Y.Saravana Kumar*

**Regional Manager**  **TaeguTec India P Ltd. | Bangalore Branch | Mob : 096866 06868 | website : [www.taegutec-india.com](http://www.taegutec-india.com)**

*Values we follow : INNOVATION, COLLABORATION, PERFORMANCE EXCELLENCE, ETHICS AND SOCIAL RESPONSIBILITY, CARING FOR PEOPLE & TRUST*

**From:** Chairman MECH <chairman-me@dsu.edu.in>

**Sent:** Friday, July 27, 2018 2:15 PM

**To:** Gibson M <gibsonm@nttf.co.in>; Salathiel Devanur <sy\_devanur@yahoo.com>; Praveen G <praveen.g@indo-mim.com>; Rajagopala.K.S Quad <raj.quad@gmail.com>; Saravana Kumar <saravanakumar@taegutec-india.com>; gsk <gsk@nttf.co.in>; rajasekaranv@nttf.co.in

**Cc:** sudharshanbv@nttf.co.in; Dean Engineering <dean-engg@dsu.edu.in>; Dr.A.N.N Murthy <vicechancellor@dsu.edu.in>; Registrar DSU <registrar@dsu.edu.in>; Mr Uday Shetty <cfo@dsu.edu.in>; Satish <cio@dayanandasagar.edu>; Guruvenkatesh <dsi\_placement@yahoo.com>; Prof. Anitha R <coe@dsu.edu.in>; Vinayak Hemadri <vinayak-me@dsu.edu.in>; Gopal S S <ssgopal@dsu.edu.in>; Shashidhara L C <shashidhar-me@dsu.edu.in>; Deepak V <deepv239@gmail.com>

**Subject:** BVoc - "Tool Engineering"- BOS Meeting on 31.07.18, 11.00 A.M @ DSU - Campus II, Kudlu Gate Inbox x

Dear All,

[Quoted text hidden]

---

Chairman MECH <chairman-me@dsu.edu.in>  
To: Saravana Kumar <saravanakumar@taegutec-india.com>

Fri, Jul 27, 2018 at 2:09 AM

Thanks for the confirmation, sir.

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[Quoted text hidden]

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2 attachments

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 **image001.gif**  
2K

G S Kalpana <GSK@nttf.co.in>

Reply-To: GSK@nttf.co.in

To: Chairman MECH <chairman-me@dsu.edu.in>

Fri, Jul 27, 2018 at 2:50 AM

Dear Sir,

Noted the message. I will be attending the meeting on above said date and time.

*With Regards,*

**G S KALPANA**

**GENERAL MANAGER**

**NETTUR TECHNICAL TRAINING FOUNDATION**

**23/24, II PHASE, PEENYA INDUSTRIAL AREA**

**BANGALORE - 560 058**

**Email id : gsk@nttf.co.in**

**Phone : 9036003486 /9036003489**



*Please don't print this e-mail unless you really need to!!*

**From:** Chairman MECH [mailto:chairman-me@dsu.edu.in]

**Sent:** 27 July 2018 14:15

**To:** Gibson M; Salathiel Devanur; Praveen G; Rajagopala.K.S Quad; Saravana Kumar; gsk; rajasekarav@nttf.co.in

**Cc:** sudharshanbv@nttf.co.in; Dean Engineering; Dr.A.N.N Murthy; Registrar DSU; Mr Uday Shetty; Satish;

Guruvenkatesh; Prof. Anitha R; Vinayak Hemadri; Gopal S S; Shashidhara L C; Deepak V

**Subject:** BVoc - "Tool Engineering"- BOS Meeting on 31.07.18, 11.00 A.M @ DSU - Campus II, Kudlu Gate Inbox x

Dear All,

[Quoted text hidden]

---

**Chairman MECH** <chairman-me@dsu.edu.in>

To: gsk <GSK@nttf.co.in>

Fri, Jul 27, 2018 at 8:46 PM

Dear Madam,

Thanks for your support by accepting our invitation.

[Quoted text hidden]

[Quoted text hidden]

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**2 attachments**

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V Rajasekaran <RajasekaranV@nttf.co.in>  
Reply-To: RajasekaranV@nttf.co.in  
To: Chairman MECH <chairman-me@dsu.edu.in>

Sun, Jul 29, 2018 at 11:49 PM

Dear Sir,

I confirm my presence for the meeting.

Regards,

V. Rajasekaran

---

**From:** Chairman MECH [mailto:chairman-me@dsu.edu.in]  
**Sent:** Friday, July 27, 2018 2:15 PM  
**To:** Gibson M; Salathiel Devanur; Praveen G; Rajagopala.K.S Quad; Saravana Kumar; gsk; rajasekaranv@nttf.co.in  
**Cc:** sudharshanbv@nttf.co.in; Dean Engineering; Dr.A.N.N Murthy; Registrar DSU; Mr Uday Shetty; Satish; Guruvenkatesh; Prof. Anitha R; Vinayak Hemadri; Gopal S S; Shashidhara L C; Deepak V  
**Subject:** BVoc - "Tool Engineering"- BOS Meeting on 31.07.18, 11.00 A.M @ DSU - Campus II, Kudlu Gate Inbox x

Dear All,  
[Quoted text hidden]

---

Salathiel Devanur <sy\_devanur@yahoo.com>  
Reply-To: "sy\_devanur@yahoo.com" <sy\_devanur@yahoo.com>  
To: "chairman-me@dsu.edu.in" <chairman-me@dsu.edu.in>

Mon, Jul 30, 2018 at 11:53 AM

Dear Prof. M. S.Rajagopal,  
Sorry I couldn't respond earlier. As I have prefixed program on 31st, I am unable to attend the meeting. I may please be excused. Wish you fruitful deliberations. My greetings may please be conveyed to all.  
With Best Regards,  
S. Y. Devanur.

Sent from Yahoo Mail on Android  
[Quoted text hidden]

---

Chairman MECH <chairman-me@dsu.edu.in>

Mon, Jul 30, 2018 at 8:40 PM

To: RajasekaranV@nttf.co.in

Thank you sir for confirming.

[Quoted text hidden]

[Quoted text hidden]

Chairman MECH <chairman-me@dsu.edu.in>

Wed, Aug 1, 2018 at 2:51 AM

To: Gibson M <gibsonm@nttf.co.in>, Salathiel Devanur <sy\_devanur@yahoo.com>, Praveen G <praveen.g@indo-mim.com>, "Rajagopala.K.S Quad" <raj.quad@gmail.com>, Saravana Kumar <saravanakumar@taegutec-india.com>, gsk <gsk@nttf.co.in>, rajasekaranv@nttf.co.in

Cc: sudharshanbv@nttf.co.in, Dean Engineering <dean-engg@dsu.edu.in>, "Dr.A.N.N Murthy" <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, Mr Uday Shetty <cfo@dsu.edu.in>, Satish <cio@dayanandasagar.edu>, Guruvenkatesh <dsi\_placement@yahoo.com>, "Prof. Anitha R" <coe@dsu.edu.in>, Vinayak Hemadri <vinayak-me@dsu.edu.in>, Gopal S S <ssgopal@dsu.edu.in>, Shashidhara L C <shashidhar-me@dsu.edu.in>, Deepak V <deepv239@gmail.com>

Dear All,

PFA the MOM of III BOS-BVoC Tool Engineering meeting held on 31.07.18. We seek your feedback on the same.

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 MOM B.Voc - BOS held on 31-07-2018.docx  
44K

Vinayak Hemadri <vinayak-me@dsu.edu.in>

Thu, Feb 21, 2019 at 9:13 PM

To: Chairman MECH <chairman-me@dsu.edu.in>

----- Forwarded message -----

From: Chairman MECH <chairman-me@dsu.edu.in>

Date: Wed, Aug 1, 2018 at 3:21 PM

Subject: Re: BVoc - "Tool Engineering"- BOS Meeting on 31.07.18, 11.00 A.M @ DSU - Campus II, Kudlu Gate Inbox x

To: Gibson M <gibsonm@nttf.co.in>, Salathiel Devanur <sy\_devanur@yahoo.com>, Praveen G <praveen.g@indo-mim.com>, Rajagopala.K.S Quad <raj.quad@gmail.com>, Saravana Kumar <saravanakumar@taegutec-india.com>, gsk <gsk@nttf.co.in>, <rajasekaranv@nttf.co.in>

Cc: <sudharshanbv@nttf.co.in>, Dean Engineering <dean-engg@dsu.edu.in>, Dr.A.N.N Murthy <vicechancellor@dsu.edu.in>, Registrar DSU <registrar@dsu.edu.in>, Mr Uday Shetty <cfo@dsu.edu.in>, Satish <cio@dayanandasagar.edu>, Guruvenkatesh <dsi\_placement@yahoo.com>, Prof. Anitha R <coe@dsu.edu.in>, Vinayak Hemadri <vinayak-me@dsu.edu.in>, Gopal S S <ssgopal@dsu.edu.in>, Shashidhara L C <shashidhar-me@dsu.edu.in>, Deepak V <deepv239@gmail.com>

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# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

04

### DEPARTMENT OF MECHANICAL ENGINEERING

#### MINUTES OF THE MEETING:



**Subject:** Board of Studies- B.Voc in Tool Engineering

**Venue:** Board Room, 3<sup>rd</sup> Floor, 'A' Block, Dayananda Sagar University Campus, Bengaluru

**Date:** Saturday, 29/12/2017

#### Meeting Agenda:

- Finalization of scheme and syllabus for II semester
- I Semester exam updates
- II semester execution plan
- Internal Assessment pattern discussion
- Any other matter relevant to II semester

#### List of BoS members and faculties present:

Sl. No	Name, Designation & Affiliation	Contact Nos / Mail ID	Role
1	Prof. M.S. Rajagopal, Chairman Mechanical Engg., DSU	9900977220, msrajagopal@yahoo.com	Chairman
2	Mr. C Y Saravana Kumar, Regional manager, Taegutec, India	9686606868, saravanakumar@taegutec-india.com	Member
3	Mr. Gibson, General Manager, Principal SPG, NTTF	7353754994, gibsonm@nttf.co.in	Member
4	Mr. K. S. Rajagopala, Managing Director, Quad Tooling Technologies (P) Ltd., Kolar	9845020021, raj.quad@gmail.com	Member
5	Dr. Vinayak B Hemadri, Associate Professor,	9910275510, vinayak-me@dsu.edu.in	Member

*M.S. Rajagopal*

Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

	Mechanical Engineering DSU		
6	Mr. Shashidhar L C, Assistant Professor, Mechanical Engineering	<a href="mailto:shashidhar-me@dsu.edu.in">shashidhar-me@dsu.edu.in</a> 9480528910	Member
7	Mrs. Kalpana, G,M, Exam Cell NTTF	<a href="mailto:gsk@nttf.co.in">gsk@nttf.co.in</a> 9844079818	Special Invitee
8	Mr. Rajashekar, Principal, NTTF	9844080422 <a href="mailto:rajasekarav@nttf.co.in">rajasekarav@nttf.co.in</a>	Special Invitee
8	Dr. Srinivas A, Dean, SoE, DSU	9880283288 <a href="mailto:dean-engg@dsu.edu.in">dean-engg@dsu.edu.in</a>	Special Invitee
9	Mr. S. S Gopal, Head Training and placement, DSU	9844727344 <a href="mailto:ssgopal@dsu.edu.in">ssgopal@dsu.edu.in</a>	Special Invitee

1. The Chairman Department of Mechanical Engineering, Prof . M.S Rajagopal welcomed the members of BoS.
2. Dr. Srinivas A, Dean SoE, graced the meeting.

**The outcome of the meeting after interaction among members is detailed below.**

- i. Prof. M S Rajagopal, Chairman Mechanical Engineering DSU, welcomed the guests, briefed about the "T" semester examinations. He appreciated the cooperation extended by NTTF for smooth conduct of examinations.
- ii. Chairman briefed the scheme of II semester.
- iii. The detailed syllabus was discussed for individual subjects.
- iv. Mrs Kalpana, Mr Gibson and Mr. Rajashekar highlighted upon introduction of more exercises like GD, role play and Seminars for English-II curriculum.
- v. Mr Sarvanakumar and Mr. Rajagopala suggested to add Titanium and Nickel based alloys in material testing syllabus.
- vi. All Members suggested to map the laboratory exercises for Basic Electrical and Electronics in accordance with theory.

[Type here]



Dayananda Sagar  
University

School of Engineering,  
Department of Mechanical Engineering  
Attendance Sheet

29/12/17

BOS-II, B.Voc in TOOL ENGINEERING

Sl. No	Name, Designation & Affiliation	Signature
1	Prof. M.S. Rajagopal, Chairman Mechanical Engg.. DSU	M.S. Rajagopal
2	Mr. C Y Saravana Kumar, Regional manager, Taegutec, India	C Y Saravana Kumar
3	Mr. Praveen, Manager, Training, Indomim, Bangalore	
4	Mr. Gibson, General Manager, Principal SPG, NTTF	Gibson
5	Mr. K. S. Rajagopala, Managing Director, Quad Tooling Technologies (P) Ltd., Kolar	K. S. Rajagopala
6	Dr. Vinayak B Hemadri, Associate Professor, Mech. Engg, DSU	Vinayak B Hemadri
7	Mr. Shashidhar L C Assistant Professor, Mech. Engg, DSU	Shashidhar L C
8	Mrs. Kalpana, GM, Exam cell NTTF	Kalpana
9	Mr. Rajashekar, Principal NTTF	Rajashekar
10	Dr. Puttamadappa C, Registrar , DSU	
11	Dr. Srinivas A, Dean, SoE, DSU	Srinivas A
12	Mr. S. S Gopal, Head Training and placement, DSU	S. S Gopal



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

- vii. Internal assessment pattern was discussed in the meeting and the same will be proposed to COE
- viii. Members agreed upon the syllabus discussed in the meeting for the other subjects.
- ix. Chairman thanked all the members for their valuable inputs.

*M. D. Jayaram*

Chairman,  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.

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Dayananda Sagar  
University

School of Engineering,  
Department of Mechanical Engineering  
Attendance Sheet

29/12/17

BOS-II, B.Voc in TOOL ENGINEERING

Sl. No	Name, Designation & Affiliation	Signature
1	Prof. M.S. Rajagopal, Chairman Mechanical Engg., DSU	M.S. Rajagopal
2	Mr. C Y Saravana Kumar, Regional manager, Taegutec, India	C Y Saravana Kumar
3	Mr. Praveen, Manager, Training, Indomim, Bangalore	
4	Mr. Gibson, General Manager, Principal SPG, NTTF	Gibson
5	Mr. K. S. Rajagopala, Managing Director, Quad Tooling Technologies (P) Ltd., Kolar	K. S. Rajagopala
6	Dr. Vinayak B Hemadri, Associate Professor, Mech. Engg, DSU	Vinayak B Hemadri
7	Mr. Shashidhar L C Assistant Professor, Mech. Engg, DSU	Shashidhar L C
8	Mrs. Kalpana, GM, Exam cell NTTF	Kalpana
9	Mr. Rajashekar, Principal NTTF	Rajashekar
10	Dr. Puttamadappa C, Registrar, DSU	
11	Dr. Srinivas A, Dean, SoE, DSU	Srinivas A
12	Mr. S. S Gopal, Head Training and placement, DSU	S. S. Gopal



Dr. Puttamadappa C, ME, Ph.D

Registrar

**NOTIFICATION**

No : DSU/Reg/2017-18/239

Dated : 14.09.2017

**SUB : Constitution of Board Of Studies for B.Voc (Tool Design ) under School of Engineering**

In accordance with Sections 22(vi), 28 and 32(i) of the Dayananda Sagar University Act 2012, the Vice Chancellor , has been pleased to constitute Board of Studies for B.Voc (Tool Design) Program under the School of Engineering comprising of the following :

**BOS.Members for B.Voc (Tool Design)**

Sl.	Name	Affiliation & Contact Details	Designation
1.	Prof. M.S. Rajagopal	Chairman Mechanical Engg. DSU Email: msrajagopal@yahoo.com Mobile: 9900977220	Chairman
2.	Mr. C Y Saravana Kumar	Regional manager, Taegutec, India Email: saravanakumar@taegutec-india.com Mobile : 9686606868,	Member
3.	Mr. Praveen	Manager, Training, Indomim, Bangalore Email : praveen.g@indo-nim.com Mobile : 9880697717	Member
4.	Mr.Gibson	General Manager, NTTF Email : gibsonm@nttf.co.in Mobile : 7353754994	Member
5.	Mr. K. S. Rajagopala	Managing Director, Quad Tooling Technologies (P) Ltd., Kolar Email : raj.quad@gmail.com Mobile : 9845020021	Member
6.	Mr.Salathiel Devanur	Consultant Nathan and Nathan associates , Bangalore email : sy_devanur@yahoo.com mobile : 9448353798	Member
7.	Dr. Vinayak B Hemadri	Associate Professor, Mech. Engg, DSU email : vinayak-me@dsu.edu.in Mobile : 9910275510,	Member
8.	Dr. S. Anand Kumar	Associate Professor, Mech. Engg, DSU Email : drsak-me@dsu.edu.in Mobile : 9036624149	Member

The term of Board shall be TWO years from the Academic Year 2017-18 or till reconstitution, whichever is earlier.

The Board shall follow the guidelines stipulated by the university , from time to time , in all academic issues to be decided by it.

To : All Concerned

**Dr. Puttamadappa C.**  
 Registrar 14/9/17  
 Dayananda Sagar University  
 Bangalore



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

03

#### MINUTES OF THE MEETING:

**Subject:** B.Voc semester I and II curriculum discussion

**Venue:** NTTF Peenya

**Date:** Tuesday, 26/09/2017



#### Meeting Agenda:

- I. I and II semester curriculum discussion
- II. Other related matters

#### List of members present:

Sl. No	Name, Designation & Affiliation	Contact Nos / Mail ID
1	Prof. M.S. Rajagopal, Chairman Mechanical Engg., DSU	9900977220, msrajagopal@yahoo.com
2	Ms. G .S Kalpana Principal , NTTF	gsk@nttf.co.in 080-28371539
3	Mr.Gibson, General Manager, NTTF	7353754994, gibsonm@nttf.co.in
4	Mr. Ayyappan	
5	Prakash Yadwadkar Vice Principal, NTTF	<a href="mailto:PrakashY@nttf.co.in">PrakashY@nttf.co.in</a> 080-28397218
6	Mr. V Rajasekaran Asst GM-Auditing IMS	<a href="mailto:rajasekaranv@nttf.co.in">rajasekaranv@nttf.co.in</a> 080-64509966

*M.S. Rajagopal*  
Chairman,

Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
BENGALURU - 560 068.

34



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

7	Dr. Vinayak B Hemadri, Associate Professor, Mech. Engg, DSU	9910275510, vinayak-me@dsu.edu.in
8	Dr. S. Anand Kumar, Associate Professor, Mech. Engg, DSU	9036624149, drsak-me@dsu.edu.in
9	Mr. S. S Gopal, Head Training and placement, DSU	9844727344 ssgopal@dsu.edu.in

**Members actively discussed following points and gave suggestions as follows.**

- i. All members unanimously accepted the title "Tool Engineering" for the proposed B.Voc Programme
- ii. Prof. M.S Rajagopal, proposed to change the subject title "Quality Management" to "Metrology and Quality Engineering". All members present supported the suggestion.
- iii. Mr. Ayyappan emphasized upon retaining NTTF I semester syllabus to match with I sem B.Voc
- iv. Based on suggestion made by Mr. Gibson it was agreed and supported by all members to have syllabus for laboratories match with corresponding syllabus of the theory course.
- v. First semester Quality Management (Metrology) lab will be handled and evaluated at DSU campus.
- vi. It is suggested by NTTF members to DSU authorities to look in to the possibility of credit transfer to meet the requirement of B.Voc programme . .
- vii. All the members discussed and agreed to revise the following titles of existing subjects o.f B.Voc programme



# Dayananda Sagar University

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S.NO	Existing Title	Proposed Title	Theory/Lab
1	Metrology-I	Quality Management-I	Theory
2	Metrology-II	Quality Management-II	Theory
3	Engineering Drawing	Engineering Drawing and CAD	Lab
4	Metrology-1 lab	Quality Management lab-I	Lab
5	Metrology-II Lab	Quality Management lab -II	Lab
6	Production Technology Lab-I	Work shop-I	lab
7	Production Technology Lab-II	Work shop-II	lab

- viii. As suggested by Prof. Rajgopal a laboratory course on "Design and Modeling of work and tool holding devices, to be introduced at II semester level conducted at DSU campus.
- ix. Ms. G.S .Kalpana briefed about examination pattern and scheme at NTTTF.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

#### MINUTES OF THE MEETING:

**Subject:** Board of Studies- B.Voc in Tool Engineering

**Venue:** Board Room, 3<sup>rd</sup> Floor, 'A' Block, Dayananda Sagar University Campus, Bengaluru.

**Date:** Saturday, 20/09/2017

#### **Meeting Agenda:**

- I. Finalizing the scheme for B.Voc in Tool Engineering
- II. Finalization of syllabus for I and II semester
- III. Other related matters

#### **List of BoS members and faculties present:**

Sl. No	Name, Designation & Affiliation	Contact Nos / Mail ID	Role
1	Prof. M.S. Rajagopal, Chairman Mechanical Engg.. DSU	9900977220, msrajagopal@yahoo.com	Chairman
2	Mr. C Y Saravana Kumar, Regional manager, Taegutec, India	9686606868, saravanakumar@taegutec-india.com	Member
3	Mr. Praveen, Manager, Training, Indomim, Bangalore	9880697717 praveen.g@indo-mim.com	Member
4	Mr.Gibson, General Manager, NTTF	7353754994, gibsonm@nttf.co.in	Member
5	Mr. K. S. Rajagopala, Managing Director, Quad Tooling Technologies (P) Ltd., Kolar	9845020021, raj.quad@gmail.com	Member
6	Mr. Salathiel Devanur, Consultant, Nathan and Nathan associates , Bangalore	9448353798, sy_devanur@yahoo.com	Member
7	Dr. Vinayak B Hemadri, Associate Professor, Mech. Engg, DSU	9910275510, vinayak-me@dsu.edu.in	Member



# Dayananda Sagar University

## School of Engineering

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8	Dr. S. Anand Kumar, Associate Professor, Mech. Engg. DSU	9036624149, drsak-me@dsu.edu.in	Member
9	Dr. Srinivas A, Dean, SoE, DSU	9880283288 dean-engg@dsu.edu.in	Special Invitee
10	Mr. S. S Gopal, Head Training and placement, DSU	9844727344 ssgopal@dsu.edu.in	Special Invitee

1. The Chairman Department of Mechanical Engineering, Prof. M.S Rajagopal welcomed the members of BoS, and briefed about various programmes in DSU.
2. Dr. Srinivas A, Dean SoE, DSU discussed course credit details of the programme.
3. Mr. S.S Gopal gave brief introduction to B.Voc programme

**Members actively discussed following points and gave suggestions as follows.**

- i. Mr. S Y Devanur suggested to change the programme name to "Tool Engineering" instead of "Tool design". Mr. Gibson and Mr. Praveen agreed and supported this. Mr. Gibson mentioned that NTTF also is considering this change in their curriculum. It was deliberated at length and all the members unanimously agreed.
- ii. Mr. Praveen proposed for possibility upon separate courses for press tool and moulds. Members discussed and suggested that generic Tool Engineering is preferred, however students interested in the respective areas can pursue projects in final year.
- iii. Members suggested to add modules such as Die casting, sine bar, coordinate measuring machine (CMM), Limits and fits and tolerance, geometric dimensioning and tolerance (GDAT), Statistical quality control (SQC), GANTT chart and project management in course curriculum.
- iv. Members also suggested to remove following obsolete topics like Jenny caliper, old leg caliper and shaper from the course curriculum.
- v. Mr. Rajgopal and Dr. Rajagopal suggested to add "K R Gopal Krishna "text book for Engineering drawing.
- vi. Members suggested to swap the course on Applied Science to facilitate smooth conduct of programme. However departmental B.Voc committee will discuss and make changes accordingly.
- vii. The BOS committee agreed upon the scheme and course curriculum for I and II semester of the B.Voc programme in Tool Engineering.



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

02

#### MINUTES OF THE MEETING:



**Subject:** Board of Studies- B.Voc in Tool Engineering

**Venue:** Board Room, 3<sup>rd</sup> Floor, 'A' Block, Dayananda Sagar University Campus, Bengaluru.

**Date:** Saturday, 20/09/2017

#### Meeting Agenda:

- I. Finalizing the scheme for B.Voc in Tool Engineering
- II. Finalization of syllabus for I and II semester
- III. Other related matters

#### List of BoS members and faculties present:

Sl. No	Name, Designation & Affiliation	Contact Nos / Mail ID	Role
1	Prof. M.S. Rajagopal, Chairman Mechanical Engg.. DSU	9900977220, msrajagopal@yahoo.com	Chairman
2	Mr. C Y Saravana Kumar, Regional manager, Taegutec, India	9686606868, saravanakumar@taegutec-india.com	Member
3	Mr. Praveen, Manager, Training, Indomim, Bangalore	9880697717 praveen.g@indo-mim.com	Member
4	Mr.Gibson, General Manager, NTTF	7353754994, gibsonm@nttf.co.in	Member
5	Mr. K. S. Rajagopala, Managing Director, Quad Tooling Technologies (P) Ltd., Kolar	9845020021, raj.quad@gmail.com	Member
6	Mr. Salathiel Devanur, Consultant, Nathan and Nathan associates , Bangalore	9448353798, sy_devanur@yahoo.com	Member
7	Dr. Vinayak B Hemadri, Associate Professor, Mech. Engg, DSU	9910275510, vinayak-me@dsu.edu.in	Member

Chairman, *H. H. H. H.*  
Department of Mechanical Engineering,  
School of Engineering,  
Dayananda Sagar University,  
Kudlu Gate, Hosur Main Road,  
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49



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068








8	Dr. S. Anand Kumar, Associate Professor, Mech. Engg, DSU	9036624149, drsak-me@dsu.edu.in	Member
9	Dr. Srinivas A, Dean, SoE, DSU	9880283288 dean-engg@dsu.edu.in	Special Invitee
10	Mr. S. S Gopal, Head Training and placement, DSU	9844727344 ssgopal@dsu.edu.in	Special Invitee

1. The Chairman Department of Mechanical Engineering, Prof. M.S Rajagopal welcomed the members of BoS, and briefed about various programmes in DSU.
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- ii. Mr. Praveen proposed for possibility upon separate courses for press tool and moulds. Members discussed and suggested that generic Tool Engineering is preferred, however students interested in the respective areas can pursue projects in final year.
- iii. Members suggested to add modules such as Die casting, sine bar, coordinate measuring machine (CMM), Limits and fits and tolerance, geometric dimensioning and tolerance (GDAT), Statistical quality control (SQC), GANTT chart and project management in course curriculum.
- iv. Members also suggested to remove following obsolete topics like Jenny caliper, old leg caliper and shaper from the course curriculum.
- v. Mr. Rajgopal and Dr. Rajagopal suggested to add "K R Gopal Krishna" text book for Engineering drawing.
- vi. Members suggested to swap the course on Applied Science to facilitate smooth conduct of programme. However departmental B.Voc committee will discuss and make changes accordingly.
- vii. The BOS committee agreed upon the scheme and course curriculum for I and II semester of the B.Voc programme in Tool Engineering.

**BoS Meeting for B.Voc. in Tool Design  
Attendance Sheet**

Sl.No	Name, Designation & Affiliation	Contact Nos / Mail ID	Role	Sign
1	Prof. M.S. Rajagopal, Chairman Mechanical Engg.. DSU	9900977220, msrajagopal@yahoo.com	Chairman	
2	Mr. C Y Saravana Kumar, Regional manager, Taegutec, India	9686606868, saravanakumar@taegutec-india.com	Member	
3	Mr. Praveen, Manager, Training, Indomim, Bangalore	9880697717 praveen.g@indo-mim.com	Member	
4	Mr. Gibson, General Manager, NTTF	7353754994, gibsonm@nttf.co.in	Member	
5	Mr. K. S. Rajagopala, Managing Director, Quad Tooling Technologies (P) Ltd., Kolar	9845020021, raj.quad@gmail.com	Member	
6	Mr. Salathiel Devanur, Consultant, Nathan and Nathan associates, Bangalore	9448353798, sy_devanur@yahoo.com	Member	
7	Dr. Vinayak B Hemadri, Associate Professor, Mech. Engg, DSU	9910275510, me@dsu.edu.in	Member	
8	Dr. S. Anand Kumar, Associate Professor, Mech. Engg, DSU	9036624149, drsak-me@dsu.edu.in	Member	



# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

#### MINUTES OF THE MEETING:

Subject: Fusion 360 Lab

Venue: Dr. Chitnis Cabin

Date: Wednesday, 06/09/2017

#### Meeting Agenda:

1. Action Plan on MOM held on 18.08.17

#### List of BoS members:

Sl. No	Name
1	Dr.Chitnis, Director, Innovation Lab
2	Dr. M.S. Rajagopal, Chairman Mechanical Engineering (ME)
3	Mr. Anand Geethagovindan
4	Mr. Perumal, Fusion 360 Lab Head

The main points discussed are highlighted below.

#### 1. NASSCOM Participant's Course

Mr. Anand Geethagovindan will share the contents for the new course which has 3 modules. Mechanism has to be evolved mutually to implement this so as to enable students to get certification.

Once the content is made available, Mr. Perumal will study the same and after discussions with Chairman-ME, come out with the gaps between the current Fusion 360 course (students are undergoing as part of the curriculum) and new course.

Dr.Sanjay will find out the fees if any to be paid to nasscom to conduct the new course. He may take the help of Mr.Anand Pillai.

Chairman ME will decide on the NASSCOM course suitability for Mechanical students.

Based on the above inputs, maximum number of DSU students should get NASSCOM certified.

#### 2. Modeling & Simulation Lab -

Fusion simulation Lab will be introduced in 6th semester.

*H. Rajagopal*  
 Chairman,  
 Department of Mechanical Engineering,  
 School of Engineering,  
 Dayananda Sagar University,  
 Kudlu Gate, Hosur Main Road,  
 BENGALURU - 560 068.

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# Dayananda Sagar University

## School of Engineering

Hosur Main Road, Kudlu Gate, Bengaluru-560068

### DEPARTMENT OF MECHANICAL ENGINEERING

Dr.Ramesh will meet Chairman ME to discuss and customize the Simulation syllabus. Train the trainer program will be arranged for simulation.

#### 3. Funded Projects

Chairman ME will give three projects on Sustainable design after discussing with students.

#### 4. Workshop on Product Design medical industry

Anand

It was decided to schedule 1/2 day workshop on product design related to Health Care industry on Friday, 8<sup>th</sup> Sep at Gallery. Chairman ME to organize for the same. Mr. Anand will conduct the workshop with the help of Mr. Perumal.

#### 5. Autodesk Course Completion Certificate for Students

Mr. Perumal will provide course completion certificate only for the students who submits project report

#### 6. Recruitment for Fusion 360 Lab

Mr.Dhanush was interviewed by Chairman ME, Dr.Sanjay Chitnies and Mr.Perumal and also introduced to Dean. Found good for training the students but not good enough to train the working professionals. And Mr.Anand Geethagovindan will share some more CVs.

#### 7. List of Tools for Fusion 360 Lab

Perumal with the help of Chairman ME to get the quotation for the tool list of innovation centre,

Dr. Rajkumar  
 Cunnick's Surgery  
 Medical Electric  
 Water & Sensation  
 Water Purifier  
 Design Skans

Perumal /  
 1 Router  
 of Design

Geetha Devi  
 me - Design - Mead

Survey / Structure program

3D Router / 3D - Survey



**DAYANANDA SAGAR UNIVERSITY**  
**Department of Mechanical Engineering,**

**School of Engineering**

**Minutes of Meeting – 3<sup>rd</sup> BOS**

**Subject:** Board of Studies- Bachelor of Vocational Courses – Pharmaceutical Manufacturing Technology (PMT)

**Venue:** Board room, 3<sup>rd</sup> floor, A Block, School of Engineering, DSU, Kudlu gate, Bangalore.

**Date:** 09-04-2022, 11am to 1pm

**Agenda**

1	Welcome address by Dr. Vinayak B. Hemadri, Chairman IC – Department of Mechanical Engineering, DSU.
2	Opening remarks on Board of Studies – Prof. V. Krishnamurthy
3	Address by Strides representatives
4	Discussion on third semester course syllabi
5.	Discussion on fourth semester course syllabi
6.	Remarks by Strides representatives
7.	Vote of thanks – Mr. Vijay Kumar, Deputy Director – Training, Placement & Skill Development, DSU



## DAYANANDA SAGAR UNIVERSITY

### Points Discussed and Observations:

Chairman -Mechanical Engineering, Dr. Vinayak Hemadri welcomed all the members from Dayananda Sagar University and Strides Pharma Science Ltd. and briefed the agenda. Dr. V. Krishnamurthy elaborated on the past years' experience and future engagements with Strides in his opening remarks. Challenges like logistics and schedule of the classes were also addressed.

Mr. Vijay Singh, VP – Manufacturing, Strides Pharma addressed the BOS and requested for introducing more practical courses and hands on courses in the curriculum. Mr. Rajaram and Mr. Shailesh from Strides Pharma spoke about how the requirements have been met by the curriculum in the previous year. It was also said that B.Voc- PMT is a proud project for Strides Pharma.

Post the remarks by the Strides representatives, a small feedback session from the faculty members who have handled courses in the previous academic year.

Following were the important points noted:

1. Dr. Vanishree shared her views on her interactions with the students and the transformation of the students over the year
2. Dr. Saravana spoke on the hybrid mode of teaching and the challenges faced during online classes due to lockdown.
3. Dr. Wilson requested the Management of Strides to arrange for logistics to conduct Pharma related courses in DSU campus at Kumaraswamy Layout considering the necessary infrastructure is present there. A clear consent was provided for this by the BOS.
4. Prof. Divya spoke about the communication skills of the students and the confidence the students have obtained by the courses.
5. Dr. V Krishnamurthy spoke about the evaluation process followed by the university – the process and difference between CIA and SEE.



## DAYANANDA SAGAR UNIVERSITY

The observations during the discussion on curriculum for the second year are presented below:

- I. Technical Communication – Reading & understanding Pharma Standards, Technical report writing, Regulatory affairs, Legal communication to be included. Case study and dissertation related to Formulative pharmacy to be included.
- II. Topics on Homeopathy to be reduced in Pharma I
- III. Pharma- II – more emphasis to be provided to topics on oral drugs
- IV. Formulative pharmacy (FP) – to be extended to both fourth and third semester as the topics are helpful to the students
- V. Pharma Engineering – concepts of electric motors, PLC, air handling units, HVAC & AHU to be added in the curriculum
- VI. Courses on Quality control and management course and Regulatory affairs to be added
- VII. Strides Pharma has requested to share all the experiments and practical labs for the next two semesters.

Post the curriculum discussion, a few administrative points were discussed.

- I. Merger of batch 2 and batch 1 to be carried out with further discussion with Strides Pharma from the next academic year.
- II. Validity of B.Voc program, recognition by UGC and future scopes like Masters and PhD were discussed in detail
- III. A report on UGC's recognition of B.Voc programs to be provided to Strides Pharma by DSU.

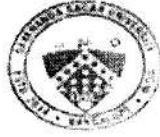
Chairman Mechanical Engineering.

**Chairman**  
Dept. of Mechanical Engineering  
School of Engineering  
Dayananda Sagar University  
Kudlu Gate, Hosur Main Road,  
Bengaluru-560 114.



DAYANANDA SAGAR UNIVERSITY

List of BoS members and faculties present:



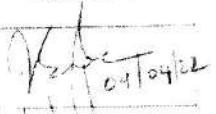







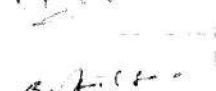
Dayananda Sagar University  
School of Engineering,  
DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 09-04-2022

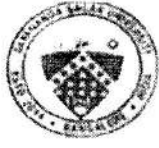
Attendance BOS Meeting  
B. Voc. Pharmaceutical Manufacturing Technology

List of BoS members and faculties present

Sl. No	Name, Designation & Affiliation	Signature
1	Vijay Singh VP Manufacturing Site Head of Shree	
2	Deepak S - Sr Manager - HR	
3	Rajaram T - GM - Production	
4	Smriti SR - Sr Executive - HR	
5	Abhishek L. Vyasa Vya / name on	
6	Dr. V. Kulkarni, principal, coe	
7	M.K. Divya DSO. Faculty	
8	VIJAY KUMAR S Deputy Director - Training & placement - DSU	
9	Dr. A. Kulkarni, principal, coe	



DAYANANDA SAGAR UNIVERSITY  
Dayananda Sagar University



School of Engineering,  
DEPARTMENT OF MECHANICAL ENGINEERING

Hosur Main Road, Kudlu Gate, Bengaluru-560068

Date: 09-04-2022

10	Mr. Ganapathirao pudhe Asst. Professor, IITPS	Patil 9/4/22
11	Dr. Vinayak IS Hiremath Chairman Mechanical Dept.	(Signature) 9/4/22
12	Dr. V. Krishna Murthy Research Professor, DSU, Bengaluru	(Signature) 9.4.2022
13	Dr. Vanushree DSU, Bangalore	(Signature) 9/4/2022
14	Dr. Ashoka S DSU, Bangalore	(Signature) 09/04/22
15	Dr. Saravanna Basappa DSU, Bangalore	(Signature) 09/04/22
16	Dr. S. S. Katta	(Signature) 9-4-22
17	Prof. Shubho Javagal	(Signature) 09/04/22