

**sasi** INSTITUTE OF  
**autonomous** TECHNOLOGY &  
ENGINEERING

Accredited by NAAC with "A" Grade,  
Recognised by UGC under section 2(f) & 12(B)  
Approved by AICTE - New Delhi  
Permanently Affiliated to JNTUK, SBTET,  
Ranked as "A" Grade by Govt. of A.P.,

**Minutes of the Meeting of the 5<sup>th</sup> BoS held on 13<sup>th</sup> August 2022 in Computing lab ME  
Department of SITE**

The 5<sup>th</sup> Board of Studies for Mechanical Engineering meeting, Sasi Institute of Technology & Engineering is convened on 13<sup>th</sup> August 2022 (Saturday) from 10.00 AM onwards at "Computing Lab, C V Raman Block" of SITE, Tadepalligudem, W.G District, AP.

The members of the BoS attended the meeting through Hybrid mode (online and offline). One of the external expert Dr.G.R.K.Sastry, Professor, NIT Andhra Pradesh along with the internal BoS and staff members attended the meeting through offline and the remaining BoS experts including Dr. K. Meera Saheb, Professor, Department of Mechanical Engineering, UCEK, Kakinada, Dr. T.Srinivasan, Professor & HoD, Department of Mechanical Engineering, RNS Institute of Technology ,Bangalore, Sri Jagan Mohan Rao Danda, Sr. Manager (DLE), Engine Division, HAL-BC, Bangalore, Sri MNS Bhaskar Rao, Asst. Manager, Renault Nissan Technology & Business Centre India Pvt. Ltd. Chennai and staff members attended through Google Meet. The link for the program is given below.

**Google Meet Link: <https://meet.google.com/nbi-numq-cea>**



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Invitation: SITE DEPT. OF ME BOS MEETING-V @ Sat 13 Aug 2022 (pchaitanyakrishna@sasi.ac.in)



External > inbox x



hodme@sasi.ac.in via google.com

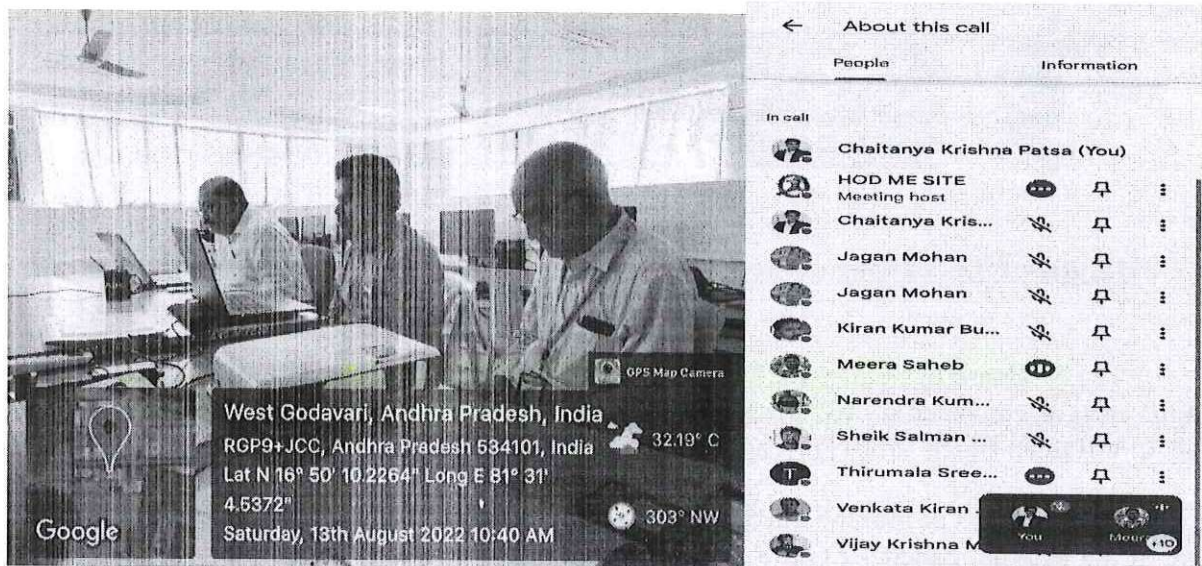
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to me, meera1972, bachi.78, tsv12, narendra, tvrk, Principal, prishnaveni, gprasad, somuphd, bkusuma, Kiran, drnaveenikumarg, yraghuram, Javvadi, Mohammad, ramaswamy, KBV, Ranendra, mvkiz

<b>Aug</b> <b>13</b> Sat ▼	<b>SITE DEPT. OF ME BOS MEETING-V</b> View on Google Calendar When Sat 13 Aug 2022 (IST) Who meera1972@jntucek.ac.in, bachi.78@gmail.com, tsv12@yahoo.com, narendra@sasi.ac.in...	<b>Agenda</b> Sat 13 Aug 2022 No earlier events All day SITE DEPT. OF ME BOS MEETING-V No later events
<input type="button" value="Yes"/> <input type="button" value="Maybe"/> <input type="button" value="No"/> <a href="#">More options</a>		

**When**  
Saturday 13 Aug 2022

[Join with Google Meet](#)



The meeting began with the welcome address by the BoS chairman, Mr. B Krishna Murty, Assistant Professor & HOD, ME Department, Sasi Institute of Technology & Engineering

The BoS chairman has introduced the external members Dr. K. Meera Saheb, Professor, Department of Mechanical Engineering, UCEK, Kakinada, Dr.G.R.K.Sastry, Professor, NIT Andhra Pradesh, Tadepalligudem, Dr. T.Srinivasan, Professor & HoD, Department of Mechanical Engineering, RNS Institute of Technology ,Bangalore, Sri JaganMohan Rao Danda, Sr. Manager (DLE), Engine Division, HAL-BC, Bangalore, Sri MNS Bhaskar Rao, Asst. Manager, Renault Nissan Technology & Business Centre India Pvt. Ltd. Chennai and all the BOS members.

Based on agenda the following resolution have been taken in fifth BoS

#### Agenda items

<b>BOS/ME 5.1</b>	:	Welcome address and Opening Remarks by Chairman, Board of studies in the Department of Mechanical Engineering
<b>Resolution</b>		Chairman greeted all the members and got the approval for proceeding for the next agenda Point for discussion.
<b>BOS/ME 5.2</b>	:	To review the resolutions made in BOS meeting held on 01-10-2021.
<b>Resolution</b>		The BOS chairman, Mr. B Krishna Murthy, Asst Prof. & HOD briefly explained the resolutions made in the previous meeting and elaborated on their compliance. The members expressed their satisfaction.
<b>BOS/ME 5.3</b>	:	To review the proposed curriculum for modified SITE-18 regulations (SITE-18M) & the syllabi of subjects for III &IV B.Tech. in ME for the autonomous system (SITE-18M) commencing from the Academic Year 2022-23
<b>Discussion</b>		The BOS chairman explained the proposed course structure for 4 semesters and furnished detailed syllabi of III &IV B.Tech. in ME. He explained about incorporation of mandatory and skill-oriented courses and internships (society/industry/research based) as per the guidelines of AICTE, APSCHE and JNTUK. He invited suggestions from BOS members.

**Dr. K. Meera Saheb suggested**

1. Incorporate Robotics with Artificial Intelligence, Smart Manufacturing subjects for mechanical students in 6<sup>th</sup> or 7<sup>th</sup> Semester as compulsory, because in future mechanical graduates with such skills will have better job opportunities.
2. Elective subjects may be studied through SWAYAM 12 weeks course. He advised to provide 3 credits for that course.
3. Instead of Internal Combustion Engines, Automobile Engineering courses, he suggested Prime movers for automobiles which includes Electric vehicle concepts because the conventional engines concepts are outdated.
4. He advised to follow the AICTE, JNTUK guidelines regarding Ethics (UHV) course and suggested to provide 3 credits.
5. Encourage the students to do internship more than 6 weeks. He advised to follow the AICTE, JNTUK guidelines regarding community service projects.
6. He suggested to opt CATIA-V5 or Solid Works as skill-oriented course in the 5<sup>th</sup> semester. He advised to remove Business communications and reasoning and aptitude topics as SOC.
7. Instead of Ansys prefer Hyper mesh and its applications as skill-oriented course
8. Include CIM concepts in CAD/CAM course. And the title is converted into CAD/CAM/CIM. Because the CIM concepts are mostly used in automated industries.
9. He agreed with G.R.K. Sastry, about the syllabus of any course should include conventional and advanced concepts.
10. He advised to consider other co-branch inputs for finalizing open elective courses offered by ME. Similarly give your requirements for other branches to offer courses.

**Dr. T Sreenivasan suggested**

11. Incorporate courses Artificial Intelligence & Machine Learning applications for Mechanical Engineers subjects for mechanical students because in future mechanical graduates with such skills will have better job opportunities.
12. He suggested preparing a syllabus for Manufacturing Technology by incorporating Manufacturing Processes concepts. Similarly prepare a new syllabus for Applied thermodynamics by including IC Engines concepts.
13. He advised to remove Fuel Technology, Unconventional Machining Process, Automobile Engineering courses from Electives. He suggested adopting emerging courses like AIML, Robotics and Smart Manufacturing courses.
14. He advised to remove Business communications and reasoning and aptitude topics as SOC. Instead of that, He suggested to opt Machine Learning & IOT exercises as skill oriented course.

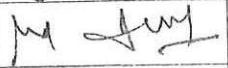




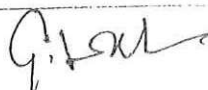

	<p>15. He advised to prepare the syllabus of any course by giving larger weight age on practical &amp; analysis concepts.</p> <p>16. The students should be encouraged to take program electives belonging to one stream so that they become specialized in that domain. This will enhance their job opportunities. They may choose Open electives depending on the field in which they want to work.</p> <p>17. Incorporate IOT and Hybrid Vehicles theory and labs as open electives.</p> <p>18. Should include Electronics for Automotives, Industrial Automation, Alternative Sources of Energy as Open elective courses for ME students</p> <p>19. He suggested to modified the subject name from Fundamentals of Robotics to Industrial Robotics</p> <p><b>Dr. G.R.K. Sastry suggested</b></p> <p>20. Prepare the syllabus for any course by including conventional and advanced concepts.</p> <p>21. Incorporate Non-Conventional Source of Energy concepts in professional elective course and he advised to modify the Power Plant Engineering course syllabus by including Conventional &amp; Non-Conventional Power Stations.</p> <p>22. He advised to change the title of Manufacturing Technology &amp; Metrology into Machine Tools &amp; Metrology.</p> <p>23. He advised to prepare 3 Pools for 3 semesters as open electives instead of single pool. So that other branch students will easily pick their interested course.</p> <p><b>Mr. D Jagan Mohan suggested</b></p> <p>24. Include Smart Manufacturing &amp; Industrial Internet of Things, Industrial Robotics with AI courses in Professional Elective courses</p> <p>25. He advised to incorporate Industrial Internet of Things (IIoT), Artificial Intelligence &amp; Machine Learning (AI&amp;ML), Mechatronics concepts as one elective course or else include at least one chapter in the respective courses.</p> <p>26. Should include Electric vehicles and Hybrid Vehicles, Cloud Computing, Data Science as Open elective course</p> <p>27. An assignment or technical paper be given to the students to work on the topic "Industrial revolution and Industry 4.0"</p> <p>28. III B.Tech. Students should preferably spend their summer vacation in the industry for project/internship.</p>
<b>Resolution</b>	The Committee had accepted the resolved syllabus according to the suggestions given for the approval of the syllabi for III & IV B,Tech. subjects offered by Mechanical Engineering Department in SITE-18M Regulations
<b>BOS/ME 5.4</b>	: To discuss, review and approve the proposed curriculum of B.Tech. in ME SITE21 regulation & the syllabi of subjects of II B.Tech. in ME for the autonomous system SITE-21 regulation commencing from the Academic Year 2022-23

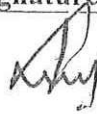

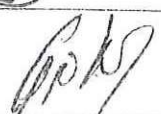
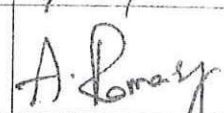
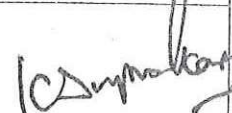


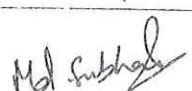



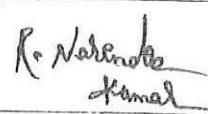

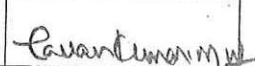
<b>Discussion</b>	<p>The BOS chairman explained the proposed course structure for 6 semesters and furnished detailed syllabi of II B.Tech. in ME. He explained about incorporation of mandatory and skill-oriented courses and internships (society/industry/research based) as per the guidelines of AICTE, APSCHE and JNTUK. He invited suggestions from BOS members.</p> <p><b>Dr. K. Meera Saheb</b> suggested</p> <ol style="list-style-type: none"> <li>1. The course titles Theory of Machines-I and Theory of Machines-II should prefer conventional titles like Kinematics of Machinery and Dynamics of Machinery.</li> <li>2. He suggested opting Mechanical modeling &amp; analysis software as skill-oriented courses. He advised to remove Business communications and reasoning and aptitude topics as SOC.</li> </ol> <p><b>Dr. T Sreenivasan</b> suggested</p> <ol style="list-style-type: none"> <li>3. Give an insight of C, C++, Python courses for mechanical students in appropriate semester as Skill oriented Course.</li> <li>4. He advised to merge basic core courses and replace the credits/ courses with emerging topics.</li> </ol> <p><b>Dr. G.R.K. Sastry</b> suggested</p> <ol style="list-style-type: none"> <li>5. He advised to change the course title of Design of Transmission System into Design of Machine Elements-II and Design Machine Elements should be Design Machine Elements-I</li> </ol> <p><b>Mr. D Jagan Mohan</b> suggested</p> <ol style="list-style-type: none"> <li>6. Incorporate emerging courses like AI&amp;ML, IIOT, Industrial Revolution subjects for mechanical students because in future mechanical graduates with such skills will have better job opportunities</li> </ol> <p>It is resolved that all the inputs suggested by BOS for SITE18M curriculum should consider while preparing SITE21 curriculum. It is resolved to approve the syllabi of II B.Tech. subjects offered by Mechanical Engineering Department and structure for III &amp; IV B.Tech.</p>
<b>Resolution</b>	<p>The Committee had accepted the resolved syllabus according to the suggestions given for the approval of the syllabi for II B,Tech. and Structure for III &amp; IV B.Tech. offered by Mechanical Engineering Department in SITE-21 Regulations</p>
<b>BOS/ME 5.5</b>	<p>To review Honors/General Minors Courses for II B.Tech students offered by Department of ME for SITE-21 Regulations</p>
<b>Discussion</b>	<p>BOS members reviewed the Honors/General Minors course structure and suggested as follows</p> <p><b>Dr. K. Meera Saheb</b> suggested</p> <ol style="list-style-type: none"> <li>1. The subjects offered under Honors should be preferably advanced courses and accepted all the honor and minor courses.</li> </ol>

	<p>2. Eligibility criteria laid by JNTUK should adhered</p> <p>3. Honor / Minor courses may be studied through MOOCs/NPTEL.</p> <p><b>Dr. T Sreenivasan</b> suggested</p> <p>1. Subjects like Smart Materials, Product Design and Alternative energy resources for Automobiles and power generation may be offered subsequent to their prerequisite subjects.</p> <p><b>Dr. G R K Sastry</b> suggested</p> <p>2. The subjects under different pools should be thoroughly revamped to suit industry requirements.</p> <p><b>Mr. D Jagan Mohan</b> suggested</p> <p>3. The subjects offered under Minors should be finalizing by taking inputs from co-branches.</p> <p>It is resolved to approve the syllabi of Honor &amp; Minor courses for II B.Tech. Students and approve the III &amp; IV B.Tech course structure &amp; syllabi in the subsequent meetings after thorough deliberations.</p> <p>It is resolved to conduct employer surveys prepare different pools as per industry need. More meeting shall be conducted to deliberate thoroughly before finalizing the structure.</p>
<b>Resolution</b>	The Committee had accepted the resolved syllabus according to the suggestions given for the approval of the syllabi for Honor and Minor courses offered by Mechanical Engineering Department up to II B.Tech. in SITE 21 Regulations
<b>BOS/ME 5.6</b>	Discussion on ATR as per suggestions given by stake holders.
<b>Resolution</b>	The Suggestions given by the Stakeholder are included based on the ATR.
<b>BOS/ME 5.7</b>	: Any other matter with permission of the chair.
<b>Discussion</b>	<p><b>Mr. M N S Bhaskar</b> and <b>Mr. D Jagan Mohan</b> suggested</p> <p>1. They stressed on the importance of practical training and suggested to increase Guest lectures, Workshops, Industrial visits/Training.</p> <p>2. Encourage the students to undertake industry relevant Certification courses like HVAC, Piping, IIOT to make them industry ready.</p> <p>3. The members suggested using I&amp;C Tools for better delivering the topics.</p> <p>The meeting was concluded with Vote of thanks.</p>
<b>Resolution</b>	The Committee had accepted to inculcate at least one Guest Lecture, Workshop and Industrial visits per semester. It is resolved to submit the above points to College Academic Council.


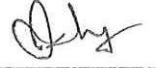

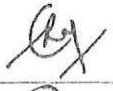


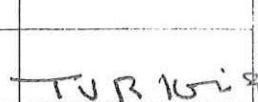
**At the end Board Chairman addressed all the members and extended the regards for their valuable suggestions and remarks and meeting is ended with vote of thanks.**


**BOS members of Department of Mechanical Engineering**

Sl.No.	Name of BoS Member	Designation	Signature
1.	Dr. Mohammad Ismail	Principal/ Dean (Academics)	
2.	Mr B Krishna Murthy	Assistant Professor & HOD, Dept. of ME	
3.	Mr B Kiran Kumar	Associate. Professor, Dept. of ME	
4.	Dr.G.R.K. Sastry	Professor Department of Mechanical Engineering NIT, Tadepalligudem, Andhra Pradesh Mobile No.: 9490107949 E-mail: grksastry@nitandhra.ac.in	
5.	Dr. T.Srinivasan	Professor & HoD Department of Mechanical Engineering, RNS Institute of Technology, Bangalore-560098 Mobile No.: 9972899448 E-mail:tsv12@yahoo.com	
6.	Dr. K Meera Saheb,	Professor Department of ME UCEK, Kakinada Mobile No: 8008 612555 E-mail: meera1972@jntucek.ac.in	
7.	Sri JaganMohan Rao Danda	Sr. Manager (DLE) Engine Division, HAL-BC Bangalore-560036 Mobile No.: +91 8022326458 +91 9980452908 E-mail: jaganmohana@hai-india.com	
8.	Sri MNS Bhaskar Rao	Asst. Manager, Renault Nissan Technology & Business Centre India Pvt. Ltd. Chennai Mobile No.: 9789565587 E-mail:bachi.78@gmail.com	
9.	Dr. PR Krishnaveni	Assistant Professor Mobile No.: 9985623253 E-mail: pkrishnaveni@sasi.ac.in	
10.	Dr. G Prasad	Assistant Professor Mobile No.: 9440263673 E-mail: gprasad@sasi.ac.in	
11.	Dr. A Sombabu	Assistant Professor Mobile No.: 9703636151 E-mail: somuphd@sasi.ac.in	

Sl.No.	Name of BoS Member	Designation	Signature
12.	Mr. B Kusuma	Assistant Professor Mobile No.: 9951693757 E-mail: bkusuma@sasi.ac.in	
13.	Dr R B Choudary	Professor Mobile No.: 9866215185 E-mail: rbchoudary@sasi.ac.in	
14.	Bunga Kiran Kumar	Associate Professor Mobile No.: 9701187001 E-mail: bkirankumar@sasi.ac.in	
15.	Dr. G Naveen Kumar	Associate Professor Mobile No.: 7989853500 Email: drnaveenkumarg@sasi.ac.in	
16.	Dr. A Ramaswamy	Assistant Professor Mobile No.: 8248175481 E-mail: ramaswamy@sasi.ac.in	
17.	KBV Satya Prakash	Assistant Professor Mobile No.: 7981426387, 9505936768 E-mail: kbvsatyaprakash@sasi.ac.in	
18.	Y Raghuram	Assistant Professor Mobile No.: 8074442190 E-mail: yraghuram@sasi.ac.in	
19.	Patsa Chaitanya Krishna	Assistant Professor Mobile No.: 9492228144 E-mail: pchaitanyakrishna@sasi.ac.in	
20.	Mohammed Subhani	Assistant Professor Mobile No.: 9963442777 E-mail: subhani@sasi.ac.in	
21.	P Rajendra Babu	Assistant Professor Mobile No.: 9491146714 E-mail: rajendra.pullagura@sasi.ac.in	
22.	M V Kiran Kumar	Assistant Professor Mobile No.: 9652785098 E-mail: mvkiran@sasi.ac.in	
23.	M Vijay Krishna	Assistant Professor Mobile No.: 9603588687 E-mail: vijay@sasi.ac.in	
24.	Reddy Narendra Kumar	Assistant Professor Mobile No.: 9866314696 E-mail: rnarendra@sasi.ac.in	
25.	Siripurapu Sriram	Assistant Professor Mobile No.: 9502830652 E-mail: ssriram@sasi.ac.in	
26.	M.V Satya Pavan Kumar	Assistant Professor	



Sl.No.	Name of BoS Member	Designation	Signature
		E-mail: pavanmaganti@sasi.ac.in	
27.	M.Vinod Kumar	Assistant Professor Mobile No.: 9989833114 E-mail: vinod@sasi.ac.in	
28.	Sk.Salman Basha	Assistant Professor Mobile No.: 9177489662 E-mail: skbasha@sasi.ac.in	
29.	Javvadi Eswara Manikanta	Assistant Professor Mobile No.: 9502759347 E-mail: manijem66@sasi.ac.in	
30.	N Raja Sekhar	Assistant Professor Mobile No.: 9493795865 E-mail: nrajasekhar@sasi.ac.in	
31.	P Vijay Kumar	Assistant Professor Mobile No.: 8897368873 E-mail: vijaymech@sasi.ac.in	
32.	K Srinivasarao	Assistant Professor Mobile No.: 7794974589 E-mail: srinivasarao.kolla@sasi.ac.in	
33.	Mr. M Narendra Krishna	Vice-President	
34.	Dr.K.Bhanu Prasad	Director	
35.	Dr T V Rama Krishna	Dean Academics	

  
Signature of the BoS Chairman

CC To

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Mail & Hard copy to: All BoS Members

Mail & Hard copy to: PA to Principal

Mail & Hard copy to: Director, SITE

Mail & Hard copy to: Dr. T V Rama Krishna, Dean Academics

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