



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.

Department of Mechanical Engineering

Academic Year 2021-22

Board of Studies meeting held on 01/10/2021 Via Google meet
 (<https://meet.google.com/bny-djdg-dbr>)

Meeting No. 12

Chairman has convened a meeting of BOS members in Mechanical Engineering HOD Chamber Through Google meet at 10 AM on 01/10/2021 to discuss about SITE 21 Autonomous syllabus.

Agenda for the meeting

Agenda 1: To review the resolutions made in the BOS meeting held on 08/06/2020

Agenda 2: To review the B.Tech. (ME) Regular Program Course structure

Agenda 3: To review syllabus of the courses

Agenda 4: To review M.Tech. Course structure

Agenda 5: To review Honors/General Minors/Special Track Minors Course structure

Agenda 6: Discussion on ATR as per suggestions given by stake holders

Agenda 7: Any other matter with permission of the chair.

Minutes of BOS Meeting	
Agenda 1	To review the resolutions made in BOS meeting held on 08-06-2020.
	The BOS chairman, Dr. R.B. Choudary, briefly explained the resolutions made in the previous meeting and elaborated on their compliance.
Resolution 1	The members expressed satisfaction.
Agenda 2	To review the B.Tech. (ME) Regular Program Course structure
	The BOS chairman, explained the proposed course structure for 8 semesters and furnished detailed syllabi of Engineering Graphics (CE, EE, ME), Engineering Mechanics and Engineering Workshop Lab. 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. B Bala Krishna suggested to
	1. Consider whether students will be over loaded by incorporating Python, Engineering Mechanics and Basic Electrical Engineering in I-II. He further advised to give 1 credit to Engineering Work Shop and English Communication Lab and 2 credits for Electrical Engineering Lab.
	2. Round off the total number of credits per semester so that the issue of fractions does not arise when it comes to promotion of a student to higher semester.
	3. Prepare well defined guidelines for promoting the students to higher

	<p>classes in V and VII semesters.</p> <p>Dr. T Sreenivasan suggested to</p> <ol style="list-style-type: none"> 4. Incorporate Python, Artificial Intelligence, Machine Learning and Robotics as compulsory subjects for mechanical students because in future mechanical graduates with such skills will have better job opportunities. 5. "Artificial Intelligence" and "Robotics" and "Machine Learning" courses shall be offered after Mechatronics course as mandatory subjects. 6. Give an insight of C, C++, DS courses for mechanical students in appropriate semester. 7. Opt open electives such as Supply Chain Management, Alternative Source of Energy with calculations, Automotive Electronics, Robotics, Artificial Intelligence & Machine Learning. <p>Dr. G.R.K. Sastry suggested to</p> <ol style="list-style-type: none"> 8. Incorporate Autotronics and Hybrid Vehicles theory and labs as open electives. <p>Mr. D Jagan Mohan suggested</p> <ol style="list-style-type: none"> 9. An assignment or technical paper be given to the students' b/w 6-8 semesters to work on the topic "Industrial revolution and Industry 4.0" and "Industrial Internet of Things (IIoT)".
Resolution 2	It is resolved to approve the syllabi of first year subjects offered by Mechanical Engineering Department and conduct semester wise BOS meetings to approve subsequent year syllabi.
Agenda 3	<p>The chairman presented the syllabus of Engineering Graphics with AutoCAD (other branches), Engineering Mechanics and Engineering Workshop.</p> <p>Dr. T Sreenivasan suggested to include some appropriate calculations in the syllabus wherein the student will be able to solve relevant practical problems on his own.</p>
Resolution 3	It is resolved to approve the syllabus of Engineering Graphics with AutoCAD (other branches), Engineering Mechanics and Engineering Workshop. It is further resolved to adopt problem solving approach while offering Open Electives to other departments.
Agenda 4	To review M.Tech. Course structure
	<p>BOS members reviewed the M.Tech. course structure.</p> <p>Dr. T Sreenivasan suggested</p> <ol style="list-style-type: none"> 1. Students should preferably spend their second year in the industry for project/internship. <p>Dr. G R K Sastry suggested</p> <ol style="list-style-type: none"> 2. One subject may be studied through MOOCs/NPTEL. He advised to follow the AICTE guidelines regarding the maximum number of credits that can be obtained through MOOCs. He advised to make sure that the subject chosen under MOOCs be available in subsequent semesters for the convenience of failed students or the student may be permitted to take another course available at that time.

Resolution 4	It is resolved to approve the first-year syllabi and approve the second-year structure in the subsequent meetings after thorough deliberations.
Agenda 5	To review Honors/General Minors/Special Track Minors Course structure
	<p>BOS members reviewed the Honors/General Minors/Special Track Minors course structure and suggested as follows</p> <p>Dr. B Bala Krishna suggested</p> <ol style="list-style-type: none"> 1. The subjects offered under Major should be preferably at PG level 2. Eligibility criteria laid by JNTUK should adhered <p>Dr. T Sreenivasan suggested</p> <ol style="list-style-type: none"> 3. Subjects like Smart Materials, Product Design, Mechanical Vibrations and Alternative energy resources for Automobiles may be offered subsequent to their prerequisite subjects. 4. 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>Dr. G R K Sastry suggested</p> <ol style="list-style-type: none"> 5. The subjects under different pools should be thoroughly revamped to suit industry requirements.
Resolution 5	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.
Agenda 6	Discussion on ATR as per suggestions given by stake holders.
Resolution 6	The Suggestions given by the Stakeholder are included based on the ATR.
Agenda 7	<p>Any other matter with permission of the chair.</p> <p>Mr. M N S Bhaskar and Mr. D Jagan Mohan suggested</p> <ol style="list-style-type: none"> 1. Encourage the students to undertake industry relevant Certification courses like HVAC, Piping, Catia to make them industry ready. He stressed on the importance of practical training and suggested to arrange industrial visits and guest lectures by industry experts. 2. The members suggested to complete the lab work first as the situation may demand On line class work in future. The meeting was concluded with Vote of thanks.
Resolution 7	It is resolved to submit the above points College Academic Council.

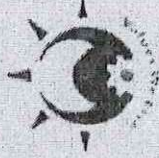
Members Present:

Internal

1. Dr. R B Choudary
2. Dr. G Kiran Kumar
3. Sri B Kiran Kumar
4. Sri B Krishna Murthy
5. Sri Subhani Mohammed

External

1. Dr. B Bala Krishna
2. Dr. T Srinivasan
3. Dr. G R K Sastry
4. Sri D Jagan Mohan Rao
5. Sri M N S Bhaskara Rao



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Department of Mechanical Engineering

Academic Year 2021-22

Board of Studies

S.No.	Name	Nominated Position of BOS	Signature
1.	Dr R. B Choudary Professor SITE Tadepalligudem	Chairman	
2.	All faculty members of the Program	Members	
3.	Dr.B.Bala Krishna Professor &Principal, JNTUK-KKD	Member	
4.	Dr.G.R.K.Sastry Professor Nit Andhra Pradesh Tadepalligudem	Member	
5.	Dr.T.Sreenivasan Professor Department of Mechanical Engineering RNS Institute of Technology, Bangalore	Member	
6.	Sri. D.Jagan Mohan Rao Sr Manager (DLE) Engine Division, HAL - BC Bangalore	Member	
7.	Sri MNS Bhaskar Rao Asst Manager Renault Nissan Technology & Business Centre India Pvt. Ltd. Chennai	Member	
8.	Mr B.Krishna Murthy Asst Prof. & HOD Department of ME, SITE Tadepalligudem	Co-Opted Member	



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3.	Dr. B. Bala Krishna Professor & Principal, JNTUK-KRD	Member	
4.	Dr. G. R. K. Sastry Professor Nit Andhra Pradesh Tadepalligudem	Member	
5.	Dr. T. Sreenivasan Professor Department of Mechanical Engineering RNS Institute of Technology, Bangalore	Member	
6.	Sri. D. Jagan Mohan Rao Sr Manager (DLE) Engine Division, HAL - BC Bangalore	Member	
7.	Sri. MNS Bhaskar Rao Asst Manager Renault Nissan Technology & Business Centre India Pvt. Ltd, Chennai	Member	
8.	Mr. B. Krishna Murthy Asst Prof. & HOD Department of ME, SITE Tadepalligudem	Co-Opted Member	



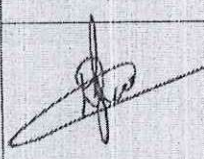
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