

**J.S. UNIVERSITY**

SHIKOHABAD, FIROZABAD  
PIN-283135 (U.P.) INDIA

Website: [www.js.ac.in](http://www.js.ac.in), [www.jsu.edu.in](http://www.jsu.edu.in)



जे.एस. विश्वविद्यालय

शिकोहाबाद, फिरोजाबाद  
पिन- 283135 (उ.प्र.) भारत

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Established by the U.P. Govt. Act No. 7 of 2015  
Recognized by U.G.C. under section 2(f) of Act. 1956

Ref.: JSU/2021/BOS/19

Date: 7/01/21

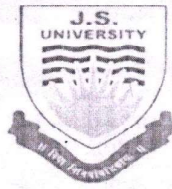
**Minutes of Meeting for the meeting of the Board of Study  
(Faculty of Engineering for Master of Technology)**

The meeting of the Board of Study, Faculty of Engineering for M. Tech (Mechanical Engineering) Program was held on 07-01-2021 at 11:00 am in the conferences room of the university.

**Members present in the meeting**

SR.NO	MEMBER	SIGN
1	Convener/Dean Faculty of Engineering-Dr. Rajesh Singh, Professor, HOD of Mechanical Engineering, J. S. Shikohabad, University	
2	Dr. Gaurav Yadav, Professor, Mechanical Engineering Department, J.S University, Shikohabad, Member	
3	Dr. Ajit Kumar Singh, Assistant Professor, Mechanical Engineering Department, IET Agra College, Agra, (External Expert) Member	
4	Dr. A.K. Sharma, Assistant Professor Mechanical Engineering Department, Government Engineering College, Mainpuri (External Expert) Member	
5	Prof. Swatantra Kumar Porwal, Professor, Mechanical Engineering Department, J.S. University, Shikohabad, Member	
6	Er. Jiendra Kumar, Assistant Professor Mechanical Department J.S University, Member	
7	Dr. Akhilesh Upadhyay, Dean Academic, J.S. University, Shikohabad, Member	
8	Adnan Quasim, COE, J.S. University, Shikohabad, Member	





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Members stressed that in accordance with the, AICTE Model curriculum 2018, the revision of curriculum was necessary. Accordingly following modifications or upgradation of existing curriculum were suggested and incorporated in addition to above following new courses were suggested and incorporated as per AICTE Model curriculum 2018 in M. Tech Mechanical Engineering program.

**New Course and labs Introduce**

S. No.	Sem	Course Code	Paper Title	Theory/P ractical	Credits
1	I	MTME-12	Operations Research	Theory	3
4	I	MTMR-11	Research Methodology and IPR	Theory	2
5	I	MTME-011P	Simulation Modeling & Analysis Lab	Practical	2
6	I	MTME-012P	Operations Research Lab	Practical	2
8	II	MTME-21	Computer Integrated Manufacturing (CIM)	Theory	3
12	II	MTME-21P	Computer Integrated Manufacturing (CIM) Lab	Practical	2
13	II	MTSE-24P	Mini-Project with Seminar		1
<b>Departmental Elective-I</b>					
	I			Theory	3
1		MTME-011	CAD/CAM		
2		MTME-012	Mathematical Modeling of Manufacturing Processes		
3		MTME-013	Renewable Energy System		
<b>Departmental Elective-II</b>					
	I			Theory	3
1		MTME-016	Advanced Mechanical Vibrations		
2		MTME-017	Advanced I.C. Engines		
3		MTME-018	Vehicle Body Engineering & Safety		
<b>Departmental Elective-III</b>					
	II			Theory	3
1		MTME-201	Advanced Welding Technology		



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2		MTME-202	Industrial Automation and Robotics		
3		MTME-203	Industrial Optimization Techniques		
	II		<b>Departmental Elective-IV</b>	<b>Theory</b>	<b>3</b>
1		MTME-211	Total Quality Management		
2		MTME-212	Advanced Mechanical Design		
3		MTME-213	Modelling And Simulation Of Dynamic Systems		
	II		<b>Departmental Elective-V</b>	<b>Theory</b>	<b>3</b>
1		MTME-221	Modern Manufacturing Process		
2		MTME-222	Automation And Robotics		
3		MTME-223	Machine Vision		
	VI		<b>Programme Elective-V</b>	<b>Theory</b>	<b>3</b>
1		MTME-031	Design of Solar and Wind System		
2		MTME-032	Advanced Mathematical Methods in Engineering		
3		MTME-033	Composite Materials		
	VI		<b>Open Elective</b>	<b>Theory</b>	<b>3</b>
1		MTOE-031	Industrial Safety		
2		MTOE-032	Waste to Energy		
3		MTOE-033	Operations Research		
4		MTOE-034	Cost Management of Engineering Projects		
5		MTOE-035	Business Analytics		
6		MTOE-036	Composite Materials		



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	I		Audit course-1	Theory	NC
1		MTAC-11	English for Research Paper Writing		
2		MTAC-12	Sanskrit for Technical Knowledge		
3		MTAC-13	Disaster Management		
4		MTAC-14	Constitution of India		
	II		Audit course-2	Theory	NC
1		MTAC-21	Value Education		
2		MTAC-22	Stress Management by Yoga		
3		MTAC-23	Personality Development through Life Enlightenment Skills		
4		MTAC-24	Pedagogy Studies		

The meeting ended with vote of thanks.

Dean Faculty of Engineering

Dean  
Faculty of Information Technology  
J.S. University, Shikohabad

Attachment-

1. AICTE Model curriculum 2018
2. M. Tech New Syllabus as per CBCS