

**JLD COLLEGE OF ENGINEERING AND MANAGEMENT**


**A DIPLOMA ENGINEERING COLLEGE UNDER AICTE AND  
WBSCTVESD**



**Mandatory Disclosure**

**2020-21**

**(JULY 2021)**

	Mandatory Disclosure	Updated on 19/11/2021	
1	<u>AICTE File No</u>	<b>First EOA- F.No. Eastern/1-2811991877/2016/EOA</b>	
	<u>Date &amp; Period Of last approval</u>	25 JUN 2021 , 2021-22	
2	<u>Name of the institute</u>	JLD COLLEGE OF ENGINEERING AND MANAGEMENT	
	<u>Address of the institute</u>	MOUZA- RAMDHARI, BELEGACHI, P.O. DOLTALA GHOLA, P.S. BARUIPUR, SOUTH 24 PGS, PIN 743376, WEST BENGAL	
	MOUZA RAMDHARI, BELEGACHI GRAM PANCHAYET, PO: DOLTALA GHOLA, PS: BARUIPUR , 24 PGS SOUTH	City office: 2/28 Netaji nagar, Kolkata-92, W.B College Campus: Ramdhari, Belegachi,ps:baruipur, 24 pgs south	
	City: Baruipur		
	Pin:743376		
	State: West Bengal		
	<u>Phone numberwith STD code</u>		
	(033) 24816491 M: 9874849408		
	<u>FAX number :</u>		
	(033) 24816491		
	<u>Longitude &amp; Latitude:</u> Latitude - 88, 33, 54 Longitude - 22, 20, 27		
	Office hours at the Institution		10.00 AM TO 5.05 PM
	Academic hours at the Institution		10.00 AM TO 5.05 PM
	Email	Jldcem_cityoffice@yahoo.com	
	Website	www.jldcem.in	
	Nearest Railway Station (dist in km)	Bethberia Ghola (24 pgs south), 2.00 km.	
	Nearest Airport	Netaji Subhas Chandra International Airport, kolkata	
3	Type of Institute	Private-Self Financed	
	Category (1) of the Institution	Non Minority	






















	Category (2) of the Institution	Co-Ed		
4	Name of the organization running the institute	JIBS EDUCATIONAL TRUST		
	Type of the organization	Trust		
	Address of the organization	2/28 Netaji Nagar, Kolkata - 700092, W.B		
	Registered with	Trust act, district sub register-1, alipur,south 24 pgs, W.B		
	Registration No of the Trust/Society with date of Registration	00618/08 DATE: 21/8/2008		
	Website of the organization	www.jldcem.in		
5	Name of Affiliation University	WBSCTVESD		
	Address	Rajarhat, action area III, kolkata		
	Website	<a href="http://www.webscte.org">www.webscte.org</a>		
	Latest affiliation period	2016-2017		
6	Name of Principal/Director	Mr. Sushanta Das		
	Exact Designation	Principal		
	Phone number	(033)24816491 M: 9874849408		
	Fax number	(033)24816491		
	Email	<a href="mailto:Jldcem_principal@yahoo.com">Jldcem_principal@yahoo.com</a>		
	Highest Degree	M.E ( J.U)		
	Field of specialization	Computer science		
7.	Governing Board Members	Names of Gov. Body Members	Designation	Phone No
		DR. JAMUNA KANTA SINGH	CHAIRMAN	033-24816018
		MR. JADULAL DAS	SECRETARY	9007172144
		MRS.BELA DAS	MEMBER	033-24816491
		MR. SUSHANTA DAS	MEMBER	9874849408
		MR. ASISH GHOSE	MEMBER	9903299478

		<table border="1"> <tr> <td>MR. SRINKHAL HALDER</td> <td>MEMBER</td> <td>8697841571</td> </tr> <tr> <td>NOMINEE FROM AICTE</td> <td>NOT YET RECEIVED</td> <td>NOT YET RECEIVED</td> </tr> <tr> <td>NOMINEE FROM WBSCTVESD NOMINEE FROM PANCHAYATE</td> <td>NOT YET RECEIVED</td> <td>NOT YET RECEIVED</td> </tr> </table>	MR. SRINKHAL HALDER	MEMBER	8697841571	NOMINEE FROM AICTE	NOT YET RECEIVED	NOT YET RECEIVED	NOMINEE FROM WBSCTVESD NOMINEE FROM PANCHAYATE	NOT YET RECEIVED	NOT YET RECEIVED
MR. SRINKHAL HALDER	MEMBER	8697841571									
NOMINEE FROM AICTE	NOT YET RECEIVED	NOT YET RECEIVED									
NOMINEE FROM WBSCTVESD NOMINEE FROM PANCHAYATE	NOT YET RECEIVED	NOT YET RECEIVED									
	Frequency of meetings & date of last meeting	3 times in a year, 09/09/2021									
8	Academic Advisory Body	<ol style="list-style-type: none"> <li>1) Mr. Debashis Banerjee , Director , Earth Technologies</li> <li>2) Mr. Samir Saha , General Manager , Service and Training , Technocon Services</li> <li>3) Mr. Sushanta Das , Principal , JLDCEM</li> <li>4) Mr. Jadu Lal Das , Chairman , JLDCEM</li> <li>5) Mr. Asish Ghose , Administrative Officer , JLD GROUP</li> <li>6) Ms. Bela Das , Trustee , JIBS EDUCATIONAL TRUST</li> </ol>									
	Frequency of meetings & date of last meeting	Quarterly , 02/01/2022									
9	Organizational Chart	<p style="text-align: center;"><b><u>JLD COLLEGE OF ENGINEERING AND MANAGEMENT</u></b></p> <p style="text-align: center;"><b>ORGANIZATIONAL STRUCTURE</b></p> <pre> graph TD     CHAIRMAN[CHAIRMAN] --&gt; PRINCIPAL[PRINCIPAL]     PRINCIPAL --&gt; HODS[HOD'S]     PRINCIPAL --&gt; AO[A.O.]     HODS --&gt; TEACHING[TEACHING STAFF]     AO --&gt; NonTeaching[Non-Teaching staff] </pre>									
10	Student	I. At the end of every Semester the feedback from students with regard to the faculty performance is collected. The suggestions for improvement then communicated to the faculty members.									

	feedback mechanism on Institutional Governance / Faculty performance	II. Faculty member submits self-appraisal by the end of every year to the concerned departmental HODs.HOD forwards the same to the Principal with his remarks. The annual increment is awarded based on the satisfactory performance over the year.
11	Grievance redressal mechanism for faculty, staff and students	The Grievance Redress committee and Anti-Ragging Committee comprises of Principal, Administrative Officer, HOD's, Local body and student representatives. Also applied to WBSCTE and Baruipur Police Station For their Representation.
12	Name of The Departments	Civil, Mechanical, Electrical, Electronics, Computer science, Automobile .
	Course	Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics and telecommunication Engineering, Computer science and technology, Automobile Engineering.
	Level	Diploma
	1 <sup>st</sup> Year of approval by the Council	2010(CE,ME,EE,ETCE,CST), 2013(Automobile)
	Year wise Sanctioned Intake	Diploma 2017-18 TO 2021-22 --- [540] 2016-17 --- [540] 2015-16 --- [540] 2014-15 --- [540] 2013-14 --- [540] 2012-13 --- [420] 2011-12 --- [300] 2010-11 ---[300]
	Cut off marks- General Quota	35% in 10 <sup>th</sup> standard
	% Students passed with Distinction	95
	% Students pass with First Class	90
	Students Placed	Above 60% DURING COVID 19
	Highest Pay package, Rs/Year	1.5 TO 2 lakhs/year
	Students opted for Higher Studies	20% students
	Accreditation Status of the course	Not Accredited <b>NBA Accreditation Status</b>

1	Name/ List of Programmes/ Courses Accredited	Not accredited
2	Applied for Accreditation	NA
	A. Applied but Visit not happened	
	B. Visit happened but result awaited	
3	List of programmes/ courses Not Applied	NA

<b>NAAC Accreditation Status</b>		
1	Accredited	NOT ACCREDITED
2	Applied for Accreditation	NA
	A. Applied but Visit not happened	NA
	B. Visit happened but result awaited	NA
3	Not Applied	NA

	Doctoral Courses	NIL																																								
	Foreign Collaborations, if any	NIL																																								
	Professional Society Memberships	NIL																																								
	Professional activities	Various professional training, industrial training, training from Govt. ITI																																								
	Consultancy	NIL																																								
	Grants Fetched	NIL																																								
	Departmental Achievements	NIL																																								
	Distinguished Alumni	NIL																																								
13	Teaching Staff- total 81																																									
14 Admission Quota																																										
Entrance test / admission criteria		10 <sup>th</sup> pass(minimum 35%) with valid JEXPO rank. And Lateral Entry in 2 <sup>nd</sup> year through VOCLET examination.																																								
Fees in rupees		As per WBSCTVESD norms																																								
Number of Fee Waivers offered		As per aicte norms, 5% of total intake.																																								
Admission Calendar		Jun- August every year																																								
Poi Quota		NIL																																								
15	Infrastructural information	<table border="1"> <thead> <tr> <th>Area Type</th> <th>Deficiency Status</th> <th>Level</th> <th>Actual Room Area/Land Area</th> <th>Expected Room Area/Land Area</th> </tr> </thead> <tbody> <tr> <td>Classroom</td> <td></td> <td>DIPLOMA</td> <td>1320</td> <td>1320</td> </tr> <tr> <td>Tutorial Room</td> <td></td> <td>DIPLOMA</td> <td>165</td> <td>165</td> </tr> <tr> <td>Seminar Hall</td> <td></td> <td>DIPLOMA</td> <td>140</td> <td>132</td> </tr> <tr> <td>Additional Workshop</td> <td></td> <td>DIPLOMA</td> <td>159</td> <td>150</td> </tr> <tr> <td>Drawing Hall</td> <td></td> <td>DIPLOMA</td> <td>174</td> <td>132</td> </tr> <tr> <td>Workshop</td> <td></td> <td>DIPLOMA</td> <td>200</td> <td>200</td> </tr> <tr> <td>Laboratory</td> <td></td> <td>DIPLOMA</td> <td>2072</td> <td>1848</td> </tr> </tbody> </table>	Area Type	Deficiency Status	Level	Actual Room Area/Land Area	Expected Room Area/Land Area	Classroom		DIPLOMA	1320	1320	Tutorial Room		DIPLOMA	165	165	Seminar Hall		DIPLOMA	140	132	Additional Workshop		DIPLOMA	159	150	Drawing Hall		DIPLOMA	174	132	Workshop		DIPLOMA	200	200	Laboratory		DIPLOMA	2072	1848
		Area Type	Deficiency Status	Level	Actual Room Area/Land Area	Expected Room Area/Land Area																																				
		Classroom		DIPLOMA	1320	1320																																				
		Tutorial Room		DIPLOMA	165	165																																				
		Seminar Hall		DIPLOMA	140	132																																				
		Additional Workshop		DIPLOMA	159	150																																				
		Drawing Hall		DIPLOMA	174	132																																				
		Workshop		DIPLOMA	200	200																																				
		Laboratory		DIPLOMA	2072	1848																																				





Classroom/Tutorial Room Facilities



Laboratory details










Computer Centre facilities



<p>Library facilities</p>	<p>Book Volumes 25159, Book Titles 958 875 , National Journals 19, Library Management Software 1 Reading Room Capacity 100, Multimedia pc 10 , Book bank facility available Book circulation facility available, Operation time 10 am - 5pm</p> 
<p>Auditorium /Seminar Halls / Amphi</p>	<p>Carpet area more than 132 sqm</p> 
<p>Cafeteria</p>	<p>available</p>
<p>Indoor Sports facilities</p>	<p>Table Tennis , Carom</p> 
<p>Outdoor Sports facilities</p>	<p>Football , Cricket , Volleyball</p>






Any other facilities

College Bus



16.	Boys hostel	Yes
	Girls hostel	yes
	Medical & Other Facilities	yes
17	Academic Sessions	Odd Semester - July – December , Even Semester - January – June
	Examination System	Semester

	Period of declaration of result	Once in six month
18	Counseling/Mentoring	Continuous Counseling by HODs, Principal and Appointed Counselor
	Career Counseling	Seminar by industry professionals on career opportunities.
	Medical facilities	Available
	Students Insurance	NIL
19	Students Activity Body	Comprises of Students , Faculties , Non teaching staff members
	Cultural activities	Fest, fresher's welcome, Cultural activities etc. 





	Technical activities / Test Fest	Various seminar is held time to time
	Alumni activities	Once in a year
	Industrial Visits /Tours	Students have been sent for Industrial Training in different organizations.
	Magazine /Newsletter	TECHTOUCH YEARLY EDITION
20	Name of the Information Officer for RTI	MR. ASHISH GHOSE (Administrative officer, JLD GROUP)
	Designation	Administrative Officer , JLD GROUP
	Phone number	9903299478
	Email	Jldcem_cityoffice@yahoo.com

AS PER 2020-21 APPLICATION							
FACULTY LIST	Middle Name	First Name	Last Name	Email Address	Designation	Department	Date of Joining
1-3378428173		SUBHAJIT	ROY	jroy395@gmail.com	LECTURER	COMPUTER SCIENCE & TECHNOLOGY	01-08-2016



1-4702058363		SANCHITA	DAS	sanchitad2015@gmail.com	LECTURER	CIVIL ENGINEERING	13-11-2018
1-4702058487		DIPAN	SAHA	dipansaha.saha837@gmail.com	LECTURER	AUTOMOBILE ENGINEERING	03-01-2019
1-4731344404	KUMAR	PRANAB	CHAKRABORTY	jldcem_cityoffice@yahoo.com	LECTURER	CIVIL ENGINEERING	03-01-2019
1-4731344872		SADDAM	MOLLA	rubelhassanmolla.15@gmail.com	LECTURER	ELECTRICAL ENGINEERING	13-11-2018
1-4731344879		SAMARESH	MAJUMDAR	samaresh241@gmail.com	LECTURER	ELECTRICAL ENGINEERING	13-11-2018
1-4731344986		KOUSIK	DUTTA	dkousik13@gmail.com	LECTURER	ELECTRICAL ENGINEERING	13-11-2018
1-7394416449		RIYA	DEY	titlidey1996@gmail.com	LECTURER	ELECTRONICS AND COMMUNICATIONS ENGINEERING	14-01-2022
1-7394416455		ARUNIMA	SARKAR	sarkar.arunuima2@gmail.com	LECTURER	ELECTRONICS AND COMMUNICATIONS ENGINEERING	14-01-2022

1-7394416471		TAPAS	DAS	tdtapasdas20@gmail.com	LECTURER	ELECTRONICS AND COMMUNICATIONS ENGINEERING	14-01-2022
1-7394416477		HIMADRI	BARMAN	barmanhimalay11@gmail.com	LECTURER	ELECTRONICS AND COMMUNICATIONS ENGINEERING	14-01-2022
1-7394416523		SUBHAJIT	BROJABASI	bsubha88@gmail.com	LECTURER	COMPUTER SCIENCE AND ENGINEERING	14-01-2022
1-7394416547		SANCHITA	DUTTA	duttasanchita14@gmail.com	LECTURER	COMPUTER SCIENCE AND ENGINEERING	14-01-2022
1-7395774995		KUHELI	TALUKDAR	k.talukder91@gmail.com	LECTURER	AUTOMOBILE ENGINEERING	14-01-2022
1-7447247372		AISWARYA	DAS	dasaiswarya838@gmail.com	LECTURER	CIVIL ENGINEERING	04-11-2019
1-7447247379		DIPANJAN	NATH	rijudipnath18@gmail.com	LECTURER	CIVIL ENGINEERING	20-08-2019

1-7447489895		PUJA	ROY	pujaroy95.a@gmail.com	LECTURER	CIVIL ENGINEERING	11-03-2019
1-7447593921		MANJARUL	ISLAM	manjarulislam93@gmail.com	LECTURER	CIVIL ENGINEERING	01-08-2019
1-7447593927		ANANYA	SHARMA DHIKARY	ananyasharmadhikary855@gmail.com	LECTURER	CIVIL ENGINEERING	08-08-2019
1-7447770443		SAYANTAN	GHOSH	sayantan.ghosh500@gmail.com	LECTURER	CIVIL ENGINEERING	23-12-2017
1-7447770449		KABIR	MONDAL	mjkabir420@gmail.com	LECTURER	CIVIL ENGINEERING	11-03-2019
1-7447835825		SAUGATA	SHAW	saugatashaw@gmail.com	LECTURER	CIVIL ENGINEERING	02-12-2019
1-7448124023		AMBARISH	BHATTAC HARJEE	bhattacharjeeambarish@gmail.com	LECTURER	CIVIL ENGINEERING	03-01-2011
1-7448124029		SUDIPTA	PAN	sudiptapan28@gmail.com	LECTURER	CIVIL ENGINEERING	09-09-2019
1-7448191065		CHETANA	BANERJEE	chetanabanerjee1992@gmail.com	LECTURER	ELECTRICAL ENGINEERING	11-11-2019

1-7448191791		ARIF	MOHAMMAD	am240616@gmail.com	LECTURER	ELECTRICAL ENGINEERING	04-11-2019
1-7448450133		SK	AJHARUDDIN	skajharuddin7709@gmail.com	LECTURER	ELECTRICAL ENGINEERING	11-09-2019
1-7448450139		MILAN	MAITY	milanmaity7063@gmail.com	LECTURER	ELECTRICAL ENGINEERING	11-09-2019
1-7448552065		PINJAL	PANDIT	pinjalpandit@yahoo.in	LECTURER	MECHANICAL ENGINEERING	25-02-2019
1-7448552221		INDRANIL	ROY	indroy.17@gmail.com	LECTURER	AUTOMOBILE ENGINEERING	02-02-2015
1-7448552227		SOMNATH	MAITY	maitysomnath34@gmail.com	LECTURER	MECHANICAL ENGINEERING	01-08-2016
1-7448985305		HANNAN	GAYEN	hannangayen786@gmail.com	LECTURER	MECHANICAL ENGINEERING	21-08-2010
1-7449096491		AMRIT	PHANI	amritphani9@gmail.com	LECTURER	MECHANICAL ENGINEERING	24-02-2014
1-7449096497		PRONAY	DAS	pronay7394@gmail.com	LECTURER	AUTOMOBILE ENGINEERING	04-09-2018

1-7449 2482 43		TARIT	MUKHERJEE	mtarit.mukherjee16@gmail.com	LECTURER	COMPUTER SCIENCE & TECHNOLOGY	13-05-2012
1-7449 2482 49		SUSMIT	JHA	jha.sus.sj@gmail.com	LECTURER	COMPUTER SCIENCE & TECHNOLOGY	01-08-2016
1-7449 6465 91		SUCHANDRA	MUKHERJEE	suchandramukherjee2012@gmail.com	LECTURER	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	02-12-2019
1-7449 6465 97		ABDUS	MOLLA	sbdussalam9734405195@gmail.com	LECTURER	AUTOMOBILE ENGINEERING	01-08-2018
1-7450 3457 67		MALLIKA	DEY	mallika.phys@gmail.com	LECTURER	ELECTRICAL ENGINEERING	01-08-2019
1-7450 3459 33		ATANU	MANDAL	atanu.pc@gmail.com	LECTURER	MECHANICAL ENGINEERING	18-09-2018
1-7450 3459 39		AVIJIT	DAS	professor2library@gmail.com	LECTURER	ELECTRICAL ENGINEERING	01-08-2019
1-7450 4315 35		PRANTIK	GUPTA	prantikkeka1456@gmail.com	LECTURER	MECHANICAL ENGINEERING	09-09-2019



1-7450431851		ARNAB	SAHA	arnabsaha080@gmail.com	LECTURER	MECHANICAL ENGINEERING	02-01-2020
1-7450553073		SUJIT	SADHUKHAN	sujitsadhukhan1995@gmail.com	LECTURER	MECHANICAL ENGINEERING	02-01-2020
1-7450553079		GOUTAM	CHAKRABORTY	jldcem.cityoffice@gmail.com	LECTURER	MECHANICAL ENGINEERING	01-09-2019
1-7450553405		ABHISHEK	BHATTACHARYA	jldcem_cityoffice@yahoo.com	LECTURER	AUTOMOBILE ENGINEERING	26-07-2010
1-7450861494		AMIT	DAS	jldcem_cityoffice@gmail.com	LECTURER	ELECTRICAL ENGINEERING	02-02-2020
1-7450942760		INDRANI	PATRA	inipatra123@gmail.com	LECTURER	MECHANICAL ENGINEERING	02-02-2020
1-7450942896		SUDIPTA	BHATTACHARJEE	sudipta.bhattacharjee018@gmail.com	LECTURER	MECHANICAL ENGINEERING	02-02-2020
1-7451106188		SUCHANA	NATH BHATTACHARJEE	suchanab2018@gmail.com	LECTURER	ELECTRICAL ENGINEERING	02-01-2020
1-9319867335		SOUMALYA	ADAK	aasoumalya@gmail.com	LECTURER	ELECTRICAL ENGINEERING	17-12-2020

1-9320084141		PRATIK	BAG	pratikbag2013@gmail.com	LECTURER	AUTOMOBILE ENGINEERING	17-12-2020
1-9320084364		DEBARCHANA	PATRA	patradebarchana97@gmail.com	LECTURER	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	17-12-2020
1-9320084750		SYED	ALI	sali14295@gmail.com	LECTURER	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	08-03-2021
1-9321881827		SUMAN	MANNA	jldcem.cityoffice@gmail.com	LECTURER	MECHANICAL ENGINEERING	01-11-2019
1-9321882086		ANWESHA	GHOSH	nwshghsh@gmail.com	LECTURER	CIVIL ENGINEERING	11-03-2020
1-9483693008		ARNAB	MAITY	jldemc.cityoffice@gmail.com	LECTURER	AUTOMOBILE ENGINEERING	20-08-2019
1-9483693062		AYAN	SARDAR	jldemc.cityoffice@gmail.com	LECTURER	AUTOMOBILE ENGINEERING	01-04-2020
1-9483693115		SANJUKTA	BERA	sanjukta.sync@gmail.com	LECTURER	COMPUTER SCIENCE & TECHNOLOGY	22-08-2016

1-9493530680		ATANU	DAS	jldemc.cityoffice@gmail.com	LECTURER	ELECTRICAL ENGINEERING	08-03-2021
1-9493556615		RATNA	MONDAL	jldemc.cityoffice@gmail.com	LECTURER	MECHANICAL ENGINEERING	04-05-2015
1-9529741863		GOURAV	DAS	gouravdaskanti6797@gmail.com	LECTURER	CIVIL ENGINEERING	14-01-2022
1-9598741754		SAGNIK	SHARMA	sagniksharma1@gmail.com	LECTURER	ELECTRICAL ENGINEERING	14-01-2022
1-10971125850		GAURAV	SENSHARMA	gsharma2249@gmail.com	LECTURER	MECHANICAL ENGINEERING	14-01-2022
1-10971125862	KUMAR	SWAPAN	SHIT	swapanme4@gmail.com	LECTURER	MECHANICAL ENGINEERING	14-01-2022
1-10971125890		MOULI	MUKHERJEE	mukherjeemouli01@gmail.com	LECTURER	ELECTRICAL ENGINEERING	14-01-2022
1-10971125902		NIRUPAMA	DAS	nirupama7797@gmail.com	LECTURER	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	14-01-2022

1-1097 1125 914		JOY	SARKAR	joysarkareducation@gmail.com	LECTURER	COMPUTER SCIENCE & TECHNOLOGY	14-01-2022
1-1097 1125 959		SREEJITA	DAS	dsreejita200@gmail.com	LECTURER	CIVIL ENGINEERING	01-12-2021
1-1099 0362 331	ALAM	JAHANJIG ALAM	SARDAR	jldcem_cityoffice@yahoo.com	LECTURER	MECHANICAL ENGINEERING	14-01-2022
1-1099 0362 358	KUMAR	MALAY	MONDAL	jldcem_cityoffice@yahoo.com	LECTURER	ELECTRICAL ENGINEERING	14-01-2022
1-4632 9133 1		SUSHANTA	DAS	jldcem_cityoffice@yahoo.com	PRINCIPAL	COMPUTER SCIENCE & TECHNOLOGY	01-06-2010
1-2080 4509 21		PALAS	DAS	palasdasm@gmail.com	LECTURER	MECHANICAL ENGINEERING	10-02-2014