



J.S.S. Mahavidyapeetha
JSS Academy of Technical Education Noida

32nd Governing Council Meeting

AGENDA AND NOTES



03.09.2021 at 10:30 AM

JSS Academy of Technical Education Noida
C-20/1, Sector-62, Noida – 201301, U.P.



J.S.S. Mahavidyapeetha
JSS ACADEMY OF TECHNICAL EDUCATION – NOIDA

MEMBERS OF GOVERNING COUNCIL

Sl. No	Members	Position
1	H.H. Mahaswamiji, President, JSSMVP, Mysore	Chairman
2	Dr. C. G. Betsurmth Executive Secretary, JSS MVP, Mysore	Member
3	Prof. M.H. Dhananjaya, Advisor, JSS MVP, Mysore	Member
4	Dr. B. Suresh Pro-Chancellor, JSS AHE & R, Mysore and Director-TED, JSSMVP, Mysore	Member
5	Dr. H.R. Mahadevaswamy Joint Director – TED, JSS MVP, Mysore	Member
6	Prof. Virendra Pathak Dean PG & Professor (CE) IET Lucknow University Nominee	Member
7	Regional Officer (Ex-officio) AICTE, Kanpur	Member
8	State Govt Nominee (Ex-officio)	Member
9	Dr H G Shivakumar Principal, College of Pharmacy, JSSATE-N	Member
10	Dr. Jyoti Gautam Associate Professor (CSE), JSSATE-N Faculty Representative	Member
11	Dr. Gurulingappa M. Patil Principal, JSSATE-Noida	Member Secretary
12	Dr. Surinder Singh, Vice Chancellor, JSSAHER, Mysuru	Special Invitee



J.S.S. Mahavidyapeetha
JSS ACADEMY OF TECHNICAL EDUCATION – NOIDA

**AGENDA FOR THE 32nd GOVERNING COUNCIL MEETING
TO BE HELD ON 03.09.2021 AT 10.30 AM**

Item No.	Details of Agenda	Page Nos.
32.00	Welcoming the members to the 32 nd Governing Council Meeting.	4 to 5
32.01	To Read and Record the Proceedings of the 31 st Governing Council Meeting held on 15.03.2021	
32.02	Action Taken Report on the Proceedings of 31 st Governing Council Meeting	4 to 5
32.03	Academic Report: 1. AICTE EoA for the AY 2021-22 2. Result Analysis for the AY 2020-21 3. NBA Status 4. Half Yearly Report from 01.03.2021 to 27.08.2021 5. Online Classes conducted for the Even Semester AY 2020-21	6 to 34 6 8 9 10 28 to 33
33	Any other matter with the permission of the Chairman	34

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JSS ACADEMY OF TECHNICAL EDUCATION–NOIDA

**AGENDA FOR THE 32nd GOVERNING COUNCIL MEETING
TO BE HELD ON 03.09.2021 AT 10.30 AM**

32.00 Welcoming the members to the 32nd Governing Council Meeting.

All members are welcome.

32.01 To Read and Record the Proceedings of the 31st Governing Council Meeting held on 15.03.2021

The Proceedings of the 31st Governing Council Meeting held on 15.03.2021 through online was circulated among all the members of the Governing Council on 26.03.2021. No comments or suggestions were received.

32.02 Action Taken Report on the Proceedings of 31st Governing Council Meeting.

Item No.	Item	Action Taken
31.02 Page No. 4	Website needs to be updated within one month time. College website should be compatible with all the electronic gadgets, such as PC, Mac, iPad and Android devices.	Updation of the College website under the guidance of JD-TED, JSSMVP, Mysore is in progress. The design and development of the college website will be completed by the experts/team members available in the Academy in association with VIG group. In this regard, a Committee consisting of senior faculty members as resource persons available in the Academy has been constituted for monitoring and guiding of Design and Development of the College Website. The Committee has been advised to coordinate and complete the design and development of the college website without taking much time as about 95% of data has already been collected.
31.03 Page No. 10	Campus Placement- Target of drive by 200 companies	Target achieved in AY 2020-21 1. 237 companies visited 2. 596 offers received. 3. 384 Students placed.

		<p>4. Highest package: Rs.27.33 p.a. (Three students: CSE-1 & IT-2) Company: Amazon Lowest package: Rs.2.50 p.a (HP)</p>
31.05 Page No.17	Starting of new courses from the AY 2021-22	<p>AICTE has accorded approval for starting of five new UG/PG courses /Programs from the AY 2021-22. A total of 228 seats have been increased in UG/PG courses.</p>
31.05 Page No.18	Setting up of AICTE- IDEA LAB	<p>A proposal for setting up of AICTE-IDEA Lab under AICTE Quality Improvement Scheme (AQIS) 2021-22 was submitted to AICTE on 01.02.2021 at an estimated project cost of Rs. 109.42 lakhs.</p> <p>JSSATE, Noida has been selected as one among 49 Institutions at National level to set up AICTE- IDEA Lab with total project cost of Rs.109.42 lakhs vide AICTE Sanction Letter No. AICTE/IDC/IDEA202000147/2021 dt. 17.06.2021.</p> <p>AICTE IDEA Lab Project Mandate Form has been submitted to AICTE on 07.08.2021 for fund transfer.</p> <p>We have deposited Rs. 45.00 lakhs in the IDEA Lab Account as contribution from the Institute on 26.08.2021.</p>
32.03	Details of MoUs signed	No. of MoUs Signed: 03

For kind information

1. Approved intake in the AY 2021-22:

Sl. No.	UG/PG	Course Name	Intake	Remarks
1	UG-B.Tech.	Computer Science & Engineering	180	Existing Courses
2		Civil Engineering	120	
3		Electronics & Communication Engineering	180	
4		Electrical Engineering	120	
5		Electrical & Electronics Engineering	60	
6		Information Technology	120	
7		Mechanical Engineering	180	
8	PG-M.Tech.	Advanced Electronics & Communication Engineering	9	*Increased from 9 to 18
9		Computer Science & Engineering	18*	
10		Manufacturing Systems Engineering	9	
11	Management	MBA	60	
		Total	1056	

New UG/PG Programmes from the AY 2021-22

12	UG-B.Tech.	CSE (AI & ML)	60	New Courses
13		CSE (Data Science)	60	
14	PG-M.Tech.	AI & ML	18	
15	PG	MCA	60	
16	Management	MBA(IEV)	30	
		Total	228	
Grand Total = (1056+228)			1284	

2. Admissions for the AY 2021-22:

Admissions for the AY 2021-22 will start from September 2021.

3. Total Student Strength in the AY 2019-20 and 2020-21

Sl. No	Course	2019-20	2020-21
1	B.Tech. (UG)	4105	4020
2	MBA	107	110
3	MCA	82	27
4	M.Tech.	04	10
5	Total	4388	4167

4. Application for EoA for AY 2021-22:

- Online application for Extension of Approval for the existing courses and starting of new level/new programs for the AY 2021-2022 was uploaded on the AICTE web-portal in March 2021.

In this regard the following on-line meeting has been conducted by AICTE.

- An online AICTE Scrutiny Meeting was held on 08.06.2021.
- An online AICTE re-Scrutiny Meeting was held on 18.06.2021
- An online Expert Visit Committee (EVC) was held on 30.06.2021 at 11.00 AM regarding opening of new level/new program for the AY 2021-22.
- AICTE Standing Appellate Committee meeting through online was held on Sunday, 04.07.2021.

- **LoA recommended subject to compliance of deficiencies by 31st Aug. 2021.**

AICTE Letter of Approval (LoA) for all existing courses and the following new level/new program for the AY 2021-22 was received on 07.07.2021

1. B.Tech in CSE (Data Science)	-	60 seats
2. B.Tech in CSE (AI & ML)	-	60 seats
3. M.Tech (AI & ML)	-	18 seats
4. MBA (IEV)	-	30 seats
5. MCA	-	<u>60 seats</u>
Total	-	<u>228 seats</u>

Enhancement of seats in M.Tech.-CSE from 09 to 18 from the AY 2021-22.

B Tech			
Semester	No. of students appeared	No of Students Pass	Pass %
1 st	983	666	67.82%
3 rd	1062	770	72.50%
5 th	980	808	82.44%
7 th	1075	1026	95.44%

5. Odd Semester Result Analysis for the academic session 2020-21

MBA			
Semester	No. of students appeared	No of Students Pass	Pass %
1 st	52	39	75%
3 rd	58	57	98.27%

M.Tech			
Semester	No. of students appeared	No of Students Pass	Pass %
1 st	10	06	60%

Final Year Results Analysis for the year 2019-20 & 2020-21

Course	Appeared	2020-2021 (Odd Semester)				2019-2020				
		Passed	No. of Distinction	% of distinction	Percentage	Appeared	Passed	No. of Distinction	% of distinction	Percentage
B.Tech	1075	1026	-	-	95.44	1051	981	532	50	93.33
MBA	58	57	-	-	98.27	47	45	20	42.55	95.74
M.Tech	No student in final year.					04	04	04	100	100

For kind information

6. NBA Status:

- (i) Five (05) UG Programs have received an accreditation from National Board of Accreditation. Details are mentioned as follows.

Accredited Programs	From-To	Duration
Mechanical Engg.	• 1 st July 2018 – 30 th June 2021.	3 years
Electrical Engineering	• 1 st July 2021 – 30 th June 2022	Extended for one more year vide NBA Letter No. 35-83/2010-NBA dt.23.07.2021
Electronics & Communication Engineering.	• 1 st July 2020 – 30 th June 2023.	
Computer Science Engineering	• Accredited Years: 2020-21, 2021-22 and 2022-23.	• Marks awarded 617/1000.
Information Technology		• Marks awarded 618/1000.
	• Ref. F.No.-35-83/2010-NBA dt. 08.06.2020	• Marks awarded 623/1000.

- (ii) Two UG Programs (EEE & CE) Pre-Qualifier Reports are ready.

Observations:

- EEE Program: Meets all eligibility criteria for PQR submission.

- (iii) ME & EE UG Programs have been granted extension of NBA Approval for one year. Further programs have to apply afresh for Accreditation of the programs in the new SAR document and application to be submitted online on e-NBA portal by 31st December, 2021 to continue accreditation after 30th June 2022.

For kind information

(i) Campus Placement:

Placement details of the Academy for the last four Academic Years.

Particulars	2018-19	2019-20	2020-21	2021-22 (as on 20.08.2021)
No. of Companies visited till date	169	121	237	19
Total No of Offers	479	571	596	17
No. of students with single Job offers	415	434	384	17
No. of students with 2 Job offers	64	137	212	0
Highest package offered with company's name (Rs.in lakhs)	Rs.12.00	Rs. 40.00	Rs. 27.33**	Rs. 24.00
Lowest package offered with company's name-name (Rs. in lakhs)	Rs.2.94	Rs.2.50	Rs. 2.50**	Rs. 3.6
Average package offered (Rs.in lakhs)	Rs. 4.00	Rs.4.5	Rs. 5.00	Rs. 13.7
Full Time	479	571	596	17
Internship	33	30	23	4
Total	512	601	619	

* **Company: Amazon** **Package : Rs. 27.33 Lakhs**
(1) Prakhar Varshney- CSE
(2) Darpan Kumari - IT
(3) Vatsal Bhatnagar – IT

** **Company: HP** **Package: Rs.2.50 Lakhs**

For kind information

(ii) Research and Development

(a) Publications of Faculty Members

Details of Journal and Conference Publications for the Year 2021
(till 15.08.2021)

Sl. No.	Department	Journal	Conference	WoS Indexed	Scopus indexed
1.	CSE	6	1	3	4
2.	CE	3	0	0	3
3.	ECE	2	3	1	5
4.	EE	5	3	6	6
5.	EEE	0	0	0	0
6.	IT	2	0	1	2
7.	ME	18	0	3	14
8.	MBA	0	2	0	0
9.	Chemistry	3	0	2	2
10.	Physics	1	0	1	1
11.	Maths	2	1	2	3
12.	English	1	0	0	1
	Total	43	10	19	41

(b) Patents Filed : 13 Nos

Patent Filed & Published for the Year 2021 (till 15.08.2021)

Sl. No.	Topic	Author Name	Application Number	Date of filing	Publication date
1.	Development of Machine Learning based smart Electric Vehicle battery Management System	Dr. Chandrashekhara M S	202141017641A	15.04.2021	23.04.2021
2.	Machine Learning Based Automatic Waste Management for Environment	Dr. Sapna Mathur	202021053077 A	5.12.2020	15.01.2021
3.	System and Method for Suspicious Activity Detection in ATM Machine by Using Deep Learning and Computer Vision	Mr. Ankur Garg	202011056603 A	27.12.2020	01.01.2021
4.	A Data Mining System for Demonstration and Determination of mixing various Chemical Composition	Dr. Rachna Jain	202111015819	04.03.2021	09.04.2021
5.	Advanced Intelligent Transportation System for Driver Assistance Based on The Internet of Things	Ms. Suruchi Sabarwal	20213101979	30.4.2021	14.05.2021
6.	An Image Processing Device and System for Screening of Medical Equipment	Dr. Rachna Jain	202111017848	17.4.2021	23.04.2021
7.	Machine Learning based Solar Tracking System and Method thereof	Dr.K.S. Sujatha Dr. Anand Kumar Pandey	2021100895	15.02.2021	14.04.2021

8.	Three-Dimensional Navigation and Data Collection Mechanism for under Water Vehicle using Acoustic Mapping	Dr. BP Mishra	202141018722	23.04.2021	0
9.	Intelligent Controlling and Monitoring of Charging and Discharging of Electric Vehicle Batteries	Dr. Abhinav Saxena, Mr. Nirmal Kumar Agarwal, Mr. Rajesh Kumar, Mr. Abhishek Kumar Singh, Mr. Prashant	202111006557A	17-02-2021	26.02.2021
10	System and Method for Remotely Controlled Home Appliances	Dr. Abhinav Saxena, Hemant Ahuja, Rahul Virmani, Gurpreet Singh, Arika Singh, Deepak Gangwar	202011056762 A	28.12.2020	01.01.2021
11.	Optimal Interference Minimization between Communication and Transmission line using Artificial Intelligence based Electromagnetic Waves Method	Dr. Abhinav Saxena, Dr. Amit Kumar Sharma, Dr. Nitin Kumar Pal, Dr. Sunil Kumar Chaudhary	20211100000	31.07.2021	To be published
12	Vehicle Speeding Detection: Automatic Vehicle Speed Detection, Notification and Location Tracking Alert System	Dr. Gunjan Varshney	202011056490 A	25.12.2020	15.01.2021
13	System and Method for Suspicious Activity Detection in ATM Machine by using Deep Learning and Computer Vision.	Mr. Naveen Kumar Bind	202011056603 A	27.12.2020	01.01.2021
14	I am greatly delighted to submit before the Hon'ble GC that that one of the patents submitted by the team of Faculty members from CSE department on the topic "RDEDUCE, RE-CYCLE and REUSE (RRR) IoT INTELLIGENT WASTE MANEMENT SYSTEM" has been "GRANTED" . The inventors of the Patent are Dr. Vikram Bali Prof and HoD CSE, Dr. Kakoli Banerjee, Dr. Deepti Agarwal, Ms. Sonali Mathur and Mr. Ajay Kumar.				

Summary

Sl. No.	Department	No. of patents Filed	No. of patents Published
1.	CSE	3	3
2.	CE	0	0
3.	ECE	1	0
4.	EE	5	4
5.	EEE	1	1
6.	IT	0	0
7.	ME	1	1
8.	MBA	2	2
9.	Chemistry	0	0
10.	Physics	0	0
11.	Maths	0	0
12.	English	0	0
Total		13	11

Publications and Patents Details of last Four Years

Title	2021 (Till 15.08.2021)			2020			2019			2018		
	Scopus	WoS	Total	Scopus	WoS	Total	Scopus	WoS	Total	Scopus	WoS	Total
Publications	41	19	60	76	43	119	50	16	66	32	5	37
Patents	13			14			6			2		

(c) MoUs signed: 3 Nos.

The following MoUs signed by the Academy since last GC meeting of the Academy:

(1) MoU between JSSATE, Noida and Construction Industry Development Council (CIDC) established by NITI Aayog, Govt., was signed on 08.06.2021.

The objective of the MoU is to work jointly on projects of interest for industries and research establishments, to improve employability skills of JSSATE students in core Engineering branches, viz; CE, ME, EE, EEE & ECE to facilitate collaborative learning of students, which is a necessary component of NBA, enhancing internships for students leading to placement, creating opportunities for faculty members to learn from industry interactions, mini projects and main projects for students, establishment of industry funded labs and CoE and participating in industry conclave.

Under the aegis of CIDC MoU, Academy has established first of its kind **“Engineering Council of India”-ECI Students Chapter**. Indian Society for Trenchless Technology-ISTE and International Council of Consultants-ICC are in progress.

(2) MoU between JSSATE, Noida and Cares Renewables Private Limited Coimbatore has been signed on 16.06.2021.

MoU Signing Ceremony with JSSATE, Noida and CARES Renewables Private Limited, Coimbatore has been conducted by the Department of Electrical & Electronics Engineering on 16.06.2021. The Chief Guest of the function was Sri. Sunil Thamaran, VP & MD Enphase Energy Pvt. Ltd., Bangalore, Guest of Honour Dr. H R Mahadevaswamy JD-TED, JSSMVP Mysuru Presided by Dr. C.G. Betsurmath, Executive Secretary-JSSMVP Mysuru. Guest of Honour Sri. Subrahmaniyam Pulipaka, CEO- National Solar Energy Federation of India, Industry Partner, Sri. Raguram Director-Operations, Cares Renewables Private Limited, Coimbatore, Industry Partner, Sri. Sivaharsh, Director – Strategy, Cares Renewables Private Limited Coimbatore, were present.

The main objective of this MoU is to establish a Centre of Excellence in association with Cares Renewables, to disseminate knowledge on advances in Solar Energy, and to create an ecosystem for research and innovation in this sector. The MoU is intended to recognize the general basis for a cooperative and a collaborative working relationship between the two parties.

(3) MoU between JSSATE, Noida and Entuple Technologies Pvt. Ltd., Bangalore signed on 16.08.2021.

The Department of EEE, JSS Academy of Technical Education, Noida has signed an MoU with Entuple Technologies Pvt. Ltd., Bangalore on 17.08.2021 in order to establish Industry Collaboration, to bring in industry collaborated projects, internships, and other technical activities. The MoU intends expressing the desire to work together in areas of skill development and capacity building activities for students and faculty.

The Chief Guest of this ceremony was Sri. Mehta S D, Director-Entuple Technologies Pvt. Ltd. Bangalore, Guest of Honour- Sri. Damodara M S, Business Manager-Entuple Technologies Pvt. Ltd. Bangalore, Special Invitees Sri. Johnson Peter Business Manager – EDA Entuple Technologies Pvt. Ltd. Bangalore, Shri. Vidyasagar M Product Manager - Simulation Products Entuple Technologies Pvt. Ltd. Bangalore, Sri. S K Aggarwal Product Manager - North India Region Entuple Technologies Pvt. Ltd. Bangalore and Ms. Divyavani S M Business Development Executive Training & Development Entuple Technologies Pvt. Ltd., Bangalore

Details MoUs signed by the Academy with various organizations during the last four years

	2021 (Till 15.08.2021)	2020	2019	2018
MoUs	03	06	03	09

For kind information

(d) Proposals submitted to various funding agencies –
AICTE/AKTU/MHRD/DST/SERB

Proposals submitted for the Year 2021 (till 15.08.2021)

Sl. No	Scheme	No. of proposals submitted	Submitted by Dept & Date	Name of PI & CO-PI	Title of the Project	Funding Agency	Amount in Rs.
1	DST-SERB-SUPRA (Scientific and Useful Profound Research Advancement)	1	CE & Chemistry dt.10.05.21	Dr. S. Varadhakaran -PI & Prof Dr. R.S. Jagadish -CO-PI	Manufacture of eco- friendly concrete using Imperial smelting furnace slag and bamboo fibres	DST	37,93,480/-
2	AICTE IDEA Lab	1	JSSATEN dt.01.02.20 21	Dr GM Patil - PI CO PIs Mr. Sampath Kumar, Dr. Sanjiba Kumar Bisoyi	AICTE IDEA Lab	AICTE	110,00,000/-
3	Unnat Bharat Abhiyan	1	Physics dt.15.02.21	Dr. Deepak Kumar -PI & Dr. Roli Verma - CO-PI	UBA –LAB on Wheels – A mobile physical and chemical sciences laboratory for rural K-12 students	Unnat Bharat Abhiya n	50,000/-
4	Extra mural research Funding scheme (SERB)	1	Physics dt 06.03.21	Dr. Manisha Chaudhry & Dr. Shweta Khanna	Enhance the Electrical conductivity and optical switching for Liquid Crystal Devices by the Nano particles doped liquid crystal	DST	23,60,000/-
5	Unnat Bharat Abhiyan	1	Physics dt 15.02.21	Dr Divya Ghildyal -PI Dr. Kirti Shrivastava CO- PI	Updating Solar Panels in Villages of Greater Noida for efficient working	Unnat Bharat Abhiya n	50,000/-

6	ISRO Respond Basket 2021	1	ME dt.15.03.21	Dr. Mamatha T G -PI CO- Is Dr. Amar Patnaik and Mr. Mohit Vishnoi	Noble Metal Coating over Carbon-Carbon Composites	ISRO	19,90,000/-
7	DST CRG (Core Research Grant)	1	CE dt.05.03.21	Dr. S. Varadhajan - PI &Dr. Vijaya Kumar Halakatti CO -PI	Manufacture of eco-friendly high strength concrete by using Imperial smelting furnace slag with addition of Construction & Demolition waste	DST	35,93,000/-
8	DST CRG (Core Research Grant)	1	CE dt 08.03.21	Dr. Vijayakumar -PI & Dr.S.Varadhajara n-Co PI	Fracture behaviour of recycled coarse aggregate self-compacting concrete	DST	48,00,000/-
9	AICTE Training and Learning (ATAL) Academy Sponsored Face to Face One-Week Faculty Development Program	1	CSE dt 04.03.21	Dr. Vikram Bali - PI Dr. Kakoli Banerjee - Co PI	Role of Smart Cities in Society 5.0	AICTE	250,000/-
10	AICTE Training and Learning (ATAL) Academy Sponsored Online One-Week Faculty Development Program	1	CSE dt 04.03.21	Dr. Kakoli Banerjee - PI Dr. Vikram Bali - CO PI	Role of Academic Leadership for Institutional Excellence	AICTE	250,000/-
11	ISRO RESPOND BASKET 2021	1	CSE	Dr. Vikram Bali - PI Dr. Kakoli Banerjee - Co PI	Automatic Extraction of River Networks from Satellite Images	ISRO	38,10,000/-

12	ISRO RESPOND BASKET-2021	1	ECE dt.15-03-2021	Dr. G M Patil - PI Co-PIs 1.Dr Gayatri Sakya 2. Dr. Chhaya Dalela 3. Dr. Vineeta Khemchandani	Next generation Fire Detection Systems	ISRO	10,49,280/-
13	ISRO RESPOND BASKET-2021	1	ECE dt. 15.03.21	PI: Dr. Chandra Shankar, Co-PI: Dr. G.M. Patil	Design of Instrumentation Amplifier	ISRO	24,25,000/-
14	Operational Research in TB (tuberculosis) Indian TB Research Consortium	1	JSSAHER and EEE&ECE dt. 08.05.21	Dr. Madhu JSSAHER, Dr. Sujatha K S JSSATEN, Dr.Gayatri Sakya JSSATEN	Digital Pill Box to ensure adherence to TB treatment -An implementation Research	ICMR (Indian Council of Medical Research)	1963040/-
15	AQIS - MODROB	1	EE dt.19.01.21	Dr. Sanjeev Kumar Sharma Mr. Amit Roy	Hardware cum Software based Power System Laboratory with Smart Grid & Power Quality Features	AICTE	19,56,900/-
16	AQIS - MODROB	1	ME dt.19.01.21	Dr. Mamatha T G & Dr. Navneet Kumar Pandey	Modernization of Manufacturing Science lab	AICTE	20,00,000/-
17	RPS	1	ME dt.19.01.21	Dr. Prashant Chauhan	Shock absorber test rig and approaching towards universal testing procedure	AICTE,	21,10,000/-
18	AQIS - MODROB	1	CSE dt. 19.01.21	Dr. Vikram Bali & Ms. Sonali Mathur	Setting up of Data Science Lab	AICTE	22,00,000/-
19	AQIS - MODROB	1	CE dt.19.01.21	Dr. Vijaykumar & Dr. Varadhajaran	Modernization and Upgradation of Building Materials Lab	AICTE	20,00,000/-
20	AQIS - MODROB	1	EEE dt.19.01.21	Dr.K.S. Sujatha & Dr. Anand Kumar Pandey	Solar Lab	AICTE	20,00,000/-

21	AQIS - MODROB	1	ECE dt.19.01.21	Dr. Arun Kumar & Dr. Gayatri Sakya	Modernization of Microprocessor Lab for IoT Applications	AICTE	19,53,000/-
22	AQIS - MODROB	1	IT dt.19.01.21	Dr. Vineeta Khemchandani	AR/ VR lab	AICTE	19,71,213/-
23	UP-Start up Policy-Empanelment of Incubators	1	06-04-2021	Dr G M Patil Principal,JSSATE N Mr. Ashish Jain CEO, JSS ATE STEP (Business Incubator) Mr. Sanjay Sharma STEP JSSATEN	UP-Start up Policy-Empanelment of Incubators	UP State Government	154,00,000/-
24	Cognitive Science Research Initiative	1	EEE&IT Dt.13.03.21	Dr. Saravana Babu Chidambaram Director Centre for Experimental Pharmacology Toxicology JSSAHER Dr.K.S. Sujatha JSSATEN Dr. Vineeta Khemchandani JSSATEN	Investigations on the effects of Intermittent Fasting and Probiotics on Post-Stroke Cognitive Impairment	DST	69,61,520/-
25	ISRO RESPOND BASKET	1	EE dt.15.03.21	Dr. Abhinav Saxena - PI CO-PIs 1. Prof. Sampath Kumar 2. Dr. Sanjiba Bisoyi 3. Dr. Sanjeev Kumar Sharma 4. Dr. Parveen Poon Terang 5. Dr. Rashika Anurag	Diagnostic health audit of orbitary placed spacecraft using telemetry data-based wavelet transformation (WT) and deep neural network (DNN) learning	ISRO	15,35,000/-
26	Australia-India Strategic Research Fund Round 14	1	Chemistry Dt.27.08.21	Dr Liang Wang, PI Co-PIs 1.Dr Rama Dubey 2. Dr Roli Verma	Sensor Based Detection and Remediation of Contaminations in Groundwater	DST	78,50,660/-
	Total	26				Total	8,53,22,093/-

Summary of proposals submitted in the year 2021

Sl. No.	Department	Proposal Submitted	Total Amount in Rs.
1.	CSE	4	65,10,000/-
2.	CE	4	1,41,86,480/-
3.	ECE	3	54,27,280/-
4.	EE	2	34,91,900/-
5.	EEE	3	1,09,24,560/-
6.	IT	1	19,71,213/-
7.	ME	3	61,00,000/-
8.	Physics	3	24,60,000/-
9.	Chemistry	1	78,50,660/-
10.	JSSATEN	2	2,64,00,000/-
	Total	26	8,53,22,093/-

**Funds Sanctioned for Research Projects and Infrastructure development for the Year 2021
(From 01.01.2021 to 15.08.2021)**

Sl. No	Scheme	No. of proposals submitted	Sanctioned by Dept & Date	Name of PI & CO-PI	Title of the Project	Funding Agency	Amount in Rs.
1	Scheme for Promoting Interests, Creativity & Ethics among Students' (SPICES) Scheme	1	Chemistry dt.22.04.21	Dr. Roli Verma- PI Dr. Pratibha Singh CO-PI	SPICES	AICTE	1,00,000/-
2	AICTE IDEA Lab	1	JSSATEN dt.17.06.21	Dr GM Patil - PI CO PIs Mr. Sampath Kumar, Dr. Sanjiba Kumar Bisoyi	AICTE IDEA Lab	AICTE	1,09,42,000/-
3	IEEE CALL FOR PROJECT PROPOSAL	1	ECE dt 30.06.21	Syed Hasan Askari Rizvi [ECE], Shreya Gupta [ECE], Vedika Mishra [ECE], Tushar Srivastava [ECE]	Inexpensive Chemical-free Oxygen Generator with Adaptive Smart and Highly Efficient Oxygen Delivery Device.	IEEE	29,704/-
4	Foundation for Innovation and Technology Transfer IIT Delhi	1	IT Dt. 15.6.21	Dr. Seema Shukla & Dr. Dhiraj Pandey	Development of Electoral Media Knowledge Repository, Indexing & Mining System (DIMS) using Big Data Analytics	IIT Delhi	4,38,000/-
5	IEEE CALL FOR HAC (Humanitarian Activity Committee) COVID-19, Region-10	1	ECE dt 15.07.21	Dr. Gunjan Varshney IEEE Branch Counsellor Shreya Gupta [ECE], Syed Hasan Askari Rizvi [ECE], Vinayak Tomar [ECE], Puru Tyagi [ECE], Shivam Gupta [ECE], Soumya Shukla [ECE]	UV Sanitization Box	IEEE	29,704/-
	Total	5					1,15,39,408/-

**Details of Research Proposals submitted/Sanctioned/Grant Received
for the last four Calendar years**

Year	No. of Research Proposals submitted	Total Amount in lakhs	No. Research Grants sanctioned	Grant Received in lakhs
2021	26	853.221	5	115.394
2020	29	535.42	4	7.4
2019	47	582.19	23	68.24
2018	32	589.05	15	67.53

For kind information

(e) **Workshops/ Webinars /Guest Lectures conducted in the Academy:**

Details of Workshops/Webinars/Guest Lectures conducted in the Academy since last GC meeting is as given below:

Details of GC	Workshops	Webinars	Guest Lectures
32nd GC	01	15	08
31 st GC	04	08	14

(f) **Industry Institute Interaction**

The following Industry-Institute Interaction has been conducted in the Academy since last Governing council Meeting.

1. An Industry interaction on "**Current Trends and Opportunities for Young Graduates**" has been conducted by the Department of Electrical & Electronics Engineering on 30.07.2021 for 2nd year and 3rd year students.

The Speaker for the event was Mr. Damodar M S, Business Manager - Product Development, Design Services and Training Entuple Technologies Pvt Ltd Bangalore.

2. Industry-Institute interaction has been organized by the department of Mechanical Engineering for collaborative research projects with CIDC (GoI) on 15.07.2021.

In this regard, Mr. Rajeev Jain, Director, Vocational Training, CIDC (GoI) visited the Academy on 15.07.2021 to verify the lab facilities available in the Departments of ME, CE & EE which could be harnessed for Industry Institute Interaction and students could be exposed to real life engineering problems and testing.

The purpose of the interaction is to utilize state of the art equipment's available in Research and Development and other Labs. These equipment's could be used for industrial applications in collaboration with CIDC where students may be exposed to actual industrial environments and testing. This would enable a great amount of Industry – Institute Interaction leading to the overall benefit of the student community.

For kind information

(g) [Awards and Recognitions](#)

Awards and recognitions of the students and faculty since last Governing Council Meeting are as given below:

[Students Achievements:](#)

1. IEEE R10 2021 Special call for proposal related to COVID-19. Project Name: Inexpensive Chemical-free oxygen Generator with Adaptive, Smart and Highly Efficient Oxygen Delivery Device.

[Team Members:](#)

- (a) Syed Hasan Askari Rizvi student of ECE
- (b) Shreya Gupta, Student of ECE
- (c) Vedika Mishra, student of ECE
- (d) Tushar Srivastava, student of ECE

Funding amount: \$400.00

2. Nitya Srivastava of VIII-Semester, Electrical Engineering Department has received "**Student Network Award**" from IEEE Delhi Section. She is the Member of "**Student Activity Committee**" of IEEE Uttar Pradesh Section.

(e) Faculty Achievements:

(1) Elite rank of IEEE Senior Member

Vikram Bali, Professor & HoD (CSE) has been elevated to the grade of Senior Member of IEEE 2021. Senior Member is the highest professional grade of IEEE for which a member may apply. Only 10% of our more than 400,000 members have achieved this level.

(2) Dr. Vikram Bali, Professor & HoD (CSE) has been recognised as Research Supervisor of Visvesvaraya Technological University (VTU) to supervise scholars pursuing Ph.D at VTU, Belgaum, Karnataka State.

(3) Dr. Sanjeev Kumar Sharma, Professor & HoD (EE) has been recognised as Research Supervisor of Visvesvaraya Technological University (VTU) to supervise scholars pursuing Ph.D at VTU, Belgaum, Karnataka State.

(4) Ph.Ds – 3 Nos.

The following faculty members have been awarded Ph.Ds since last Governing Council Meeting held on 15.03.2021.

- Dr. Nidhi Yadhuvanshi, Asst. Professor, Physics has been awarded Ph.D in Physics on the topic “Optical and Thermal Properties of some Selenium based Chalcogenide Glasses” from Institute of Foreign Trade and Management University (IFTM), Moradabad on 23.07.2021.
- Dr Amit Kumar Roy, Asst. Prof (EE) has been awarded Ph.D in Electrical & Instrumentation Engineering from Thapar Institute of Engineering and Technology, Patiala on 01.07.2021.
- Dr Gunjan Varshney, Asst. Professor (EE) has been awarded Ph.D on ‘Power Quality Issues in DC Distribution System’ from Uttarakhand Technical University, Dehradun on 17.06.2021.

(f) **Institute Achievements:**

- **Institution Ranking- Education World Rankings of Private Engineering Institutes for the year 2021-22:**

In Education World Rankings of Private Engineering Institutes for the year 2021-22 JSS Academy of Technical Education, Noida stands at **2nd position in Uttar Pradesh State and 22nd position in India**. The parameters considered for ranking are faculty competence, research, leadership, intake/ selection process, diversity of study programs offered, Entrepreneurship, Innovation, Encouragement for faculty, student support.

- In the recent survey conducted by the Times Engineering Institute Ranking survey June 2021, with the coordination and guidance of JD-TED, JSSATE, Noida secured 72nd position at National level.

- **AICTE IDEA Lab at JSSATE, Noida**

JSS Academy of Technical Education, Noida has been selected one among 49 colleges across India by the All-India Council of Technical Education, New Delhi on 14th June 2021 to set up **AICTE IDEA Lab with total project cost for Rs. 109.42 Lakhs**.

For kind information

(g) **Other Academic Activities:**

Curricular and extracurricular activities:

The following curricular and extracurricular activities were conducted in the Academy since last Governing Council Meeting:

- i. Inaugural Ceremony of IEEE Women-In- Engineering- 23.05.2021.**
IEEE JSSATEN student branch in collaboration with IEEE Uttar Pradesh Section organised on-line Inaugural Ceremony of the newly added WIE (Women-In-Engineering) affinity group under the Department of Electrical Engineering on 23.05.2021.
- ii. World Environment Day-05.06.2021**
World Environment Day-2021 was celebrated in the Academy through online by Plantation of saplings by the students on 05.06.2021.

- iii. Inauguration Ceremony of IEEE RAS JSSATEN & IEEE SPS JSSATEN: on 19.06.2021**
Department of Electronics & Communication Engineering, in association with IEEE Student Branch JSSATEN has organized an **IEEE Inaugural event on IEEE (SPS- Signal Processing Society) & IEEE (RAS- Robotics & Automation Society)** on 19.06.2021 from 09:30 AM through online.
- iv. International Yoga Day on 21.06.2021**
International Yoga Day was celebrated in the Academy on 21.06.2021 at 06.30 AM in the Multipurpose Hall in offline and online mode under the discourse and demonstration by Yoga Guru Sri Shanta Mallikarjuna Swami Ji, JSS Spiritual & Cultural Centre, Saket, New Delhi.
- v. Women in Engineering Day on 27.06.2021**
Women in Engineering Day have been celebrated by JSS Women Cell, JSSATE, Noida in association with IEEE WIE, IEEE RAS, SPS, JSSATEN on 27.06.2021.
- vi. 106th Jayanthi Celebrations of Mysuru Srimanmaharaja Rajaguruthilaka His Holiness Jagadguru Dr. Sri Sri Shivarathri Rajendra Mahaswamiji** was celebrated in the Academy on 29.08.2021.

For kind information

6. Online Classes

Status of the online classes conducted, impact, and internal Test conducted

During the unprecedented lockdown to prevent the spread of Novel Corona Virus, COVID-19, the Pandemic the Academy has conducted academic activities and sessional tests by online means, from 01-04-2021 to 24-07-2021

Academic Activities: From 01-04-2021 to 24-07-2021

Sl. No	Departments	Facul ty	Facul ty activ e in OLT	No. of sessions			Total No of students	Total No of students attended the classes	Percent of Attenda nce
		Stren gth		No. of Classes	Assign ments/ Quiz's	QPs			
1	EE	18	18	2149	241	113	732	503	68.72
2	EEE	7	7	870	225	196	186	149	80.11
3	CSE	22	22	2884	1306	280	1065	788	73.99
4	IT	17	17	1525	108	36	418	320	76.56
5	ICE*	2	2	136	15	29	26	20	76.92
6	ECE	24	21	1961	322	44	1027	740	72.05
7	ME	33	31	3362	200	27	1542	1234	80.03
8	CE	15	14	1602	237	36	387	248	64.08
9	CHEM	5	5	726	128	5	429	332	77.39
10	PHY	8	8	802	263	25	673	495	73.55
11	ENG	5	5	875	328	328	1054	668	63.38
12	MATHS	7	7	1215	134	31	1476	1048	71.00
13	MBA	8	8	1506	1506	51	1226	974	79.45
Total		173	164	19613	5013	1201	10241	7519	73.63

Note: OLT-Online Lecture and Tutorials, QPs- Question papers of previous exams/quiz's

Academic Activities During lockdown period

Type of data	
Online classes	19613
Assignments/Quiz's	5013
Question papers solving	1201

Total number of online classes held	19613
Average sessions duration	1.00 Hrs.
Total Duration of online classes	19613.00 Hrs
Average Participants in UG	73.63%

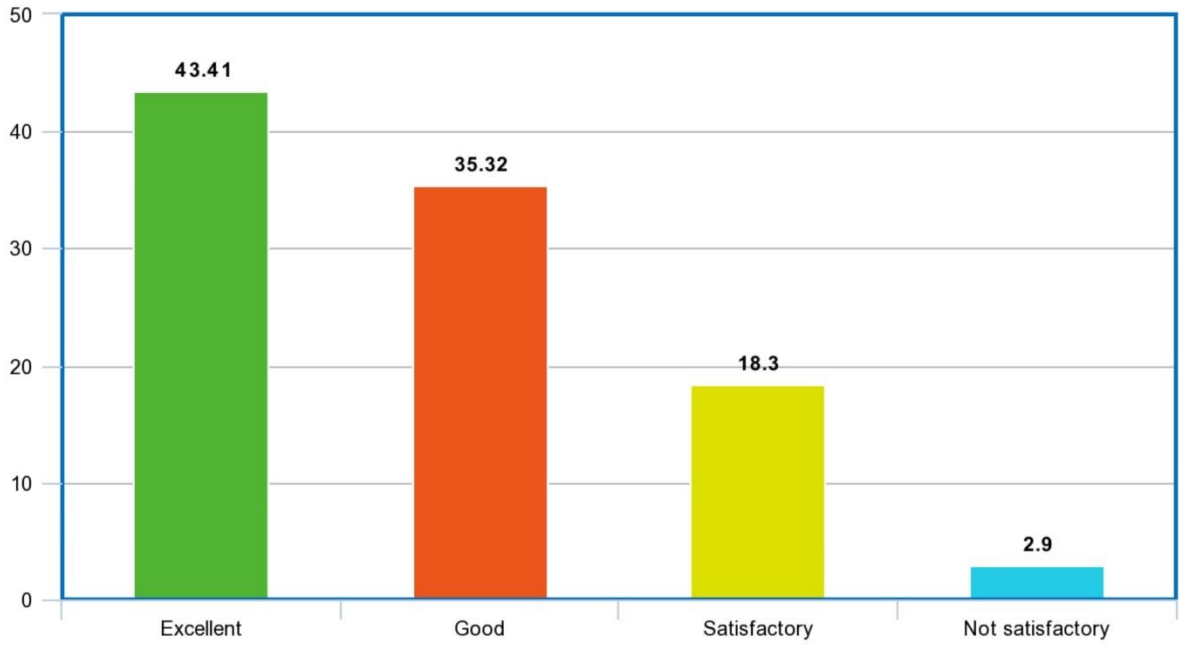
Sessionals	Date	Attendance in %
CIA – 1	03-06-2020 to 05-06-2021	96.66
CIA – 2	28-06-2020 to 30-06-2021	96.80
CIA – 3	15-07-2021 to 17-07-2021 (4 th Year) 22-07-2021 to 24-07-2021 (3 rd Year) 26-07-2021 to 28-07-2021 (1st & 2 nd Year)	82.74

<ul style="list-style-type: none"> ➤ Number of Meetings conducted by HoD with faculty members from 01-04-2021 to 19.08.2021: 83 ➤ Number of Meetings conducted by HoD with faculty members , Parents, Principal, Dean (A) and Registrar from 01-04-2021to 19.08.2021 is 32
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Feed back on online classes/ Study materials/quizzes/assignments/ sent to students through Whats App/google class room/other online modes

Sl. No	Departments	Excellent (%)	Good (%)	Satisfactory (%)	Not Satisfactory (%)
1	EE	60.00	30.00	9.00	0.00
2	EEE +ICE	34.29	45.47	15.09	5.16
3	CSE	10.00	45.00	35	10.0
4	IT	77.57	19.48	2.94	0.00
5	ECE	44.44	37.61	13.91	4.09
6	ME	16.27	34.19	49.54	0.00
7	CE	65.88	20.39	13.38	0.31
8	1st year	51.00	32.41	12.78	4.36
9	MBA	31.29	53.39	13.08	2.23
	Average	43.41	35.32	18.30	2.90

Feedback on Online Academics



32.05 New Initiatives:

1. National Conference

In commemoration of 106th Jayanthi Mahotsava of Mysuru Srimanmaharaja Rajaguruthilaka His Holiness Jagadguru Dr. Sri Sri Shivarathri Rajendra Mahaswamiji, the Academy has planned to organise the following National Conferences through online in September 2021.

- (a) A National Conference on '**Smart Energy, VLSI and Embedded Systems (NCSEVES-2021)**' is jointly organized by the Departments of ECE, EE and EEE, JSSATE-N on 24.09.2021. The estimated budget of organizing National Conference is Rs.55,289/- .
- (b) A National Conference on "**Advances in Smart building, Trenchless Technology& Intelligent Materials in Manufacturing (nCASTTIM 2021)**" is jointly organised by the Departments of ME and CE on 23.09.2021.The estimated budget for organising the Conference is Rs 77,864/- .
- (c) National Conference on "**Recent Innovations in Computing Technologies (NCRICT-2021)**" is jointly organized by the Departments of CSE and IT on 28.09.2021. The estimated budget for organizing National Conference is Rs.57,904/-
- (d) A National Conference on "**Strategies for sustainable Practices: During & Post COVID Era**" is organized by the Department of MBA on 27.09.2021. The estimated budget for organising the National Conference is Rs.13,000/-

2. Webinars: Four webinars are planned, one each by the Departments of Physics, Chemistry, Mathematics and English.

3. International Conference:

An International Conference is planned to be organized in the Academy by the Department of Mechanical Engineering in collaboration with CIDC in January 2022. The estimated budget for organizing the International Conference is Rs.2.00 Lakhs.

4. Opening of Chapters with the following organizations in the Academy.

(i) **Engineering Council of India (ECI)**

The Academy has opened Engineering Council of India (ECI) Students Chapter under the Department of Mechanical Engineering in collaboration with CIDC. The Inauguration Ceremony of ECI was held on 01.07.2021 through online.

The Chief Guest of the event was Dr. Priyaranjan Swarup, Director General, CIDC and Guest of Honour, Dr.H.R. Madevaswammy, JD-TED, JSSMVP, Mysuru and Mr. P K.Mishra, Additional Director, CIDC was the Special Invitee.

(ii) **International Society for Automation (ISA):**

Formulated a Student Section of International Society for Automation (ISA) by the Department of Electrical and Electronics Engineering (EEE), JSSATEN.

Registration process is completed by Delhi Section and waiting for approval from US. Planning of Inauguration, events, programs under ISA student section is in progress.

(iii) **International Council of Consultants - Attached to the Department of Computer Science & Engineering.**

(iv) **Indian Society of Trenchless Technology - Attached to the Department of Civil Engineering.**

5. National Assessment and Accreditation Council (NAAC):

The Academy is planning to submit application for National Assessment and Accreditation Council (NAAC) for accreditation in September 2021.

Dr. Prashanth Vishwanath and Dr. Vishal Kumar Gupta, JSSAHE&R, Mysore have visited the Academy on 9th and 10th August 2021 regarding NAAC SSR preparations of JSSATE, Noida. The corrections suggested by them have been incorporated and IIQA is ready to submit to NAAC. Approval has been received from JD-TED, JSSMVP, Mysuru on 16.08.2021.

6. Important Submission:

Setting up of AICTE-IDEA Lab at JSSATE, Noida

JSS Academy of Technical Education, Noida has been selected one among 49 colleges across India by the All-India Council of Technical Education, New Delhi on 14.06.2021 to set up **AICTE IDEA Lab with total project cost of Rs. 109.42 Lakhs** to provide an opportunity to facilitate the students and faculty of our Institution to engage, explore, experience, express and excel as desired by the Hon'ble Prime Minister in the wake of release of National Educational Policy 2020.

The purpose of IDEA Lab is to provide all facilities under one roof, for conversion of an idea into a prototype. With these facilities in the campus, more students and faculty will be encouraged to take up creative work and, in the process, get training on creative thinking, problem solving, collaboration etc. which conventional labs are not able to. The focus will be on training students so that they become imaginative and creative and stay so at the workplaces they join. The whole idea is to transform engineering education with such a Lab in all colleges and for this they must proactively expose all students to the IDEA Lab, organize training sessions for interested students as well as support projects and by providing online learning materials leading to making the country "Aatmanirbhar Bharat" in line with the vision of Hon'ble Prime Minister of India, Sri Narendra Modi Ji.

33. Any other matter with the permission of the Chairman.

Blessings from His Holiness Mahaswamiji.

Member Secretary

Dt. 28.08.2021
