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K.S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE

- **Details of Research Center**

SI No	Name of Research Centre	Room Number	Area (sq.m)	Geo tagged photo link
1	Civil Engineering Research Centre	B 304	81.9	RC B CV 304
2	Computer Science Engineering Research Centre	A 207	30.5	RC A CSE 207
3	Electronics and Communication Engineering Research Centre	A 210B	20	RD A ECE 210B
4	Mechanical Engineering Research Centre	B 003	90.19	RC B ME 003
		B 018	147.75	RC B ME 018
5	Chemistry Research Centre	A 103B	16.31	RD A BS 103B
6	Mathematics Research Centre	A 210C	10	RD A BS 210C

- **Details of the Equipments available for Research**

Name of the equipment	Quantity	Link to the document in Google drive
Dual Band 1350nm and 1550nm, Laser Source and Detector	1	View Document
4 Channel DSO in built Function Generator	1	View Document
Elements of Beagle Bone Boards	2	View Document
Customized and fabricated Sensors developed	1	View Document
Intel Galielio Boards	50	View Document



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Bio Diesel Trans-esterification	1	View Document
Insulated Test Chamber	1	View Document
Water Tunnel Test	1	View Document
Muffle Furnace	1	View Document
Ultrasonicator	1	View Document
Magnetic Stirrer with Hot Plate and Heating Mantle	1	View Document
Loading Frame	1	View Documents
Shake Table	1	View Documents

• Details of Computer Labs

Sl No	Room Number	Area (sq.m)	Name of the Lab	Geo tagged photo link
1	A 002	134.2	CAED	LB A CV 002
2	B 024	222	STRUC	LB B CV 024
3	A 003	181.39	CPL Lab	LB A CSE 003
4	A 401	89.5	ADE/MP&ES Lab	LB A CSE 401
5	A 402	89.5	DS/DAA	LB A CSE 402
6	A 410	90.42	DBA/CG	LB A CSE 410
7	A 411	90.42	Networks / SSOS Lab	LB A CSE 411
8	A 403 C	94.33	Machine Learning /Project lab	LB A CSE 403C
9	A 403 B	94.33	Web Technology / Project lab	LB A CSE 403 B



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10	A 201A	201A	VLSI LAB	LB A ECE 201A
11	A 204	90.34	HDL	LB A ECE 204
12	A 301	89.68	DSP/ARM CONTROLLER	LB A ECE 301
13	B 214	55.36	CAED/PSS/DSP/ MC LAB	LB B EEE 214
14	B 108& B 109	121.64	ENGINEERING GRAPHICS	LB B ME 108&109
15	B 101	90.19	CAMA LAB / CIM LAB	LB B ME 101
16	<i>B 205</i>	<i>90.19</i>	<i>Data Structures /Design and Analysis of Algorithm lab</i>	LB B AD 205
17	<i>B 214</i>	<i>90.19</i>	<i>JAVA /PYTHON LAB</i>	LB B AD 214
18	<i>B 206</i>	<i>90.19</i>	<i>MC & ES/ADE LAB</i>	LB B AD 206
19	<i>A 003 (Sharing with CSE)</i>	<i>181.39</i>	<i>Mathematics-1</i>	LB A CSE 003
20	<i>A 201(Sharing with ECE)</i>	<i>100</i>	<i>Mathematics-2</i>	LB A ECE 201
21	<i>A 204(Sharing with ECE)</i>	<i>90.34</i>	<i>Mathematics-3</i>	LB A ECE 204
22	<i>B 214 (Sharing with AI&DS)</i>	<i>55.36</i>	<i>Mathematics-4</i>	LB B AD 214



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- **Details of Project Proposals submitted to funding agencies 2022-2023**

Sl No	Faculty Name	Title	Submitted to	Linked Document from College Website
1	Dr. Radha H.R. Dr. Balaji	Corrosion Characterisation of Al alloys and its automobile applications	VGST	View Document
2	Dr.K.Rama Narasimha Dr.Swarna S	DST SATHI Project in a clustermode (through networking arrangement)	DST	View Document
3	Naveen M P and Shashi Prasad N	A two day National conference on Emerging trends in sustainable built environment (NCESBE)	SERB-DST	View Document
4	Dr Vijayalakshmi Akella	Seismic Risk Mitigation and damage assessment strategies for temple structures - A comprehensive approach	SHRI	View Document
5	Dr Vijayalakshmi Akella	Two day national seminar on applications of augmented and virtual reality in Civil Engineering	SERB-DST	View Document
6	Dr Rashmi H R	The recovery of phosphorus from the domestic wastewater dewatered liquor using lowcost magnesium source	KSCST	View Document
7	Dr Rashmi H R	Bioremediation for environmental sustainability – Approaches to tackle pollution for cleaner and greener society	VGST	View Document
8	Dr Rashmi H R	Investigations on effective utilization of natural filter media and green nanoparticles coupled with solar energy in grey water treatment system.	DST	View Document
9	Dr Rashmi H R	Recent trends in sustainable construction technologies	ATAL FDP	View Document



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10	Dr Arekal Vijay & Mr. Shashi Prasad N	Slope Vulnerability Assessment and Landslide Mitigation of Kodagu District	VGST	View Document
11	Mr. Naveena M P & Mr. Shashi Prasad N	A five day faculty development programme on "approaches to energy efficient and sustainable buildings "	VGST	View Document
12	Dr. Karthik P	Drone Enabled Services Using UTM	DoT (Department of Telecommunication) Selected for 2nd Stage Evaluation	View Document



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- **Details of Research scholars in this Institution**

Link to the details of Research Scholars: <http://kssem.edu.in/research-consultancy/>

- **Details of student clubs**

Link to the details of student clubs: https://kssem.edu.in/mba_dept#student_club

- **Details of workshop, seminars and conferences conducted during 2022-2023**

Sl No	Name of the workshop/seminar	Number of Participants	Date From –To	Link to the Activity report on the website
1	Model making competition for diploma-civil engineering students	36	7- 07- 2022	https://www.kssem.edu.in/civil_events.html
2	FDP on Challenges and opportunities for women in stem,	237	17/10/2022 - 21/10/2022	https://www.kssem.edu.in/civil_events.html
3	Concrete mix design	43	1 -3- 2023	https://www.kssem.edu.in/civil_events.html
4	"Pre-Employment Training on Good and Bad Practices of Construction"	43	20th - 29/3/2023	https://www.kssem.edu.in/civil_events.html
5	"Emerging trends in Sustainable Built Environment"	91	3/2/2023	https://www.kssem.edu.in/civil_events.html
6	SHARE (seniors helping the achievements of rurals in education at Sai Krushna vidya Mandir Hosadoddi.	22	19/8/2022	https://www.kssem.edu.in/civil_events.html



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7	ACE TECH Exhibition	43	14/10/2022	https://www.kssem.edu.in/civil_events.html
8	Tulasi RMC Plant	20	24/11/2022	https://www.kssem.edu.in/civil_events.html
9	Water Purification plant at TK HALLI, Malavalli Taluk, Mandya	43	14/12/2023	https://www.kssem.edu.in/civil_events.html
10	Ashirwad plumbing school	28	20/01/2023 to 21/01/2023	https://www.kssem.edu.in/civil_events.html
11	STONA 2023	28	17/2/23	https://www.kssem.edu.in/civil_events.html
12	One day workshop on concrete mix design in association with Ultra tech cement private limited	43	1/3/23	https://kssem.edu.in/images/1680246448118_report.pdf
13	Heritage walk - Belur and Hakebidu	28	6/3/23 to 9/3/23	https://www.kssem.edu.in/civil_events.html
14	Construction site visit	48	13/3/23	https://www.kssem.edu.in/civil_events.html
15	Ascend school of construction business	43	13/3/23	https://www.kssem.edu.in/civil_events.html
16	Importance of Higher education	43	13/12/22	https://www.kssem.edu.in/civil_events.html
17	Two day technical training on land survey using total station.	20	21/3/23 to 22/3/23	https://www.kssem.edu.in/civil_events.html
18	Plumbex	44	28/4/23	https://www.kssem.edu.in/civil_events.html



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19	Induction Program for first year students	373	1/12/2022 TO 9/12/2022	https://kssem.edu.in/science_dept#events
20	Workshop on 'Creativity & Innovation for Engineers' (CIE-2022)	70	10th & 11th October 2022	https://kssem.edu.in/images/2c9f8d4183ac80c40183d008a69c00f9_image.jpg
21	5 days Faculty Development Program on Personality Development for Supporting Staff	60	17th to 21st April 2023	https://kssem.edu.in/images/1682327494719_report.pdf
22	SWOT analysis for career planning	60	29.08.2022	https://kssem.edu.in/images/null_report.docx
23	Talk on company incorporation process and legal aspects for an entrepreneur	60	10.09.2022	https://kssem.edu.in/images/1668492758465_image.pdf
24	Session on Relevance of Social Media and Website Management	30	7.11.2022	https://kssem.edu.in/images/1668492880670_image.docx
25	Orientation for 3rd sem students	45	28.11.2022	https://kssem.edu.in/images/1673417987568_image.pdf
26	Knowledge Bytes	6	4.01.2023	https://kssem.edu.in/images/1674110211988_image.pdf
27	Placement Training Program and Advanced Excel Certification Course	59	9.01.2023 to 13.01.2023	https://kssem.edu.in/images/1681103794400_image.pdf
28	Class Activity on 5S and wastes of Lean Manufacturing	55	16/01/2023	https://kssem.edu.in/images/1674110553670_image.pdf
30	Knowledge Bytes	6	6.02.2023	https://kssem.edu.in/images/1681103794400_image.pdf
31	Guest Lecture on " Transition Skills from Campus to Corporate"	70	9.02.2023	https://kssem.edu.in/images/1681103351239_image.pdf



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32	5 day Bridge Course to 1st sem. MBA	60	15.02.23 to 21.02.23	https://kssem.edu.in/images/1681103794400_image.pdf
33	Corporate Communication for today's business world	60	20/3/2023	https://kssem.edu.in/images/1681120966064_image.pdf
34	Talk on career orientation	60	20/03/2023	https://kssem.edu.in/images/1681105403104_image.pdf
35	Knowledge Bytes	6	30/03/2023	https://kssem.edu.in/images/1681105917133_image.pdf
36	Alumni Talk by Mrs.Suma Ravi	60	11.04.2023	https://kssem.edu.in/images/1700551096711_report.docx
37	Training & Placement	60	2.5.2023 to 4.5.2023	https://kssem.edu.in/images/1700551262447_report.pdf
38	Knowledge Bytes	6	03.05.2023	https://kssem.edu.in/images/1688637212029_image.docx
39	Workshop on " Human Values Education - how and why ? "	30	15/05/23 to 19/05/23	https://kssem.edu.in/images/1689749811765_image.pdf
40	Environment Day	60	05/06/2023	https://kssem.edu.in/images/1689750052944_image.docx
41	Sustainable Practices For Healthy & Happy Living	58	24.06.2023	https://kssem.edu.in/images/1689751598838_image.docx
42	Stay Positive in your Life	47	03/07/2023	https://kssem.edu.in/images/1689753230012_report.docx
43	Orientation Program for 2 sem Students	50	03/07/2023	https://kssem.edu.in/images/1700201643815_report.pdf



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44	Wonders of Carnatic Classical Music	120	6/7/2023	https://kssem.edu.in/images/1700551795715_report.pdf
45	Prerequisites of Campus Placement	60	11/7/2023	https://kssem.edu.in/images/1700552706955_report.pdf
46	Training & Placement	59	12/7/2023 to 14/7/2023	https://kssem.edu.in/images/1700552720896_report.pdf
47	Outbound Learning	57	13/7/2023 to 14/7/2023	https://kssem.edu.in/images/1700552735809_report.pdf
48	VAS - AI technology and trends application	55	27/7/2023	https://kssem.edu.in/images/1700552748395_report.pdf
49	Alumni Talk by Mrs.Shilpa R	55	28/7/2023	https://kssem.edu.in/images/1700552761929_report.pdf
50	Technical Talk on Lecture on Need of IPR literacy for Academia and Research 27/07/2023.	83	27/07/2023	https://www.kssem.edu.in/ece_dept#events
51	Hands-on training on Application of IoT Using Blynk and Google Firebase Cloud from 8-7-2023 to 9-7-2023 at 9:00am for 2nd year ECE students.	75	8-7-2023 to 9-7-2023	https://www.kssem.edu.in/ece_dept#events
52	Hands-on training on "Introduction to Embedded Systems" from 8-7-2023 to 9-7-2023	62	8-7-2023 to 9-7-2023	https://www.kssem.edu.in/ece_dept#events
53	Technical Talk on "AI Based Condition Monitoring" on 27/07/2023.	60	27/07/2023	https://www.kssem.edu.in/ece_dept#events
54	Hands on Training on Interfacing of Sensors	60	21/5/2023	https://www.kssem.edu.in/ece_dept#events
55	Technical Seminar Wireless Communication Evolution till 5G on 21st April, 2023	50	21/04/2023	https://www.kssem.edu.in/ece_dept#events



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56	Seminar on "Campus to Corporate journey" - 08th March 2023	60	8/3/2023	https://www.kssem.edu.in/ece_dept#events
57	ARTICLE WRITING" contest 27th February , 2023	30	27/2/2023	https://www.kssem.edu.in/ece_dept#events
58	Demo on Moku Go, An innovative Product for Engineers and Students- 8/11/22	30	8/11/2022	https://www.kssem.edu.in/ece_dept#events
59	Workshop on Innovation Harvesting and IP Protection-4/11/22	30	4/11/22	https://www.kssem.edu.in/ece_dept#events
60	Technical Talk on Emerging Technology- 21/10/22	150	21/10/22	https://www.kssem.edu.in/ece_dept#events
61	Guest Lecture "Brain Machine Interfaces & Machine Learning" on 7th July 2022	80	7/7/22	https://www.kssem.edu.in/ece_dept#events
62	IOT Workshop	46	21/1/23	https://kssem.edu.in/images/naac_2022_CRITERIA3_1707802040906.pdf
63	Organic farming and waste management	48	21/2/23	https://kssem.edu.in/images/naac_2022_CRITERIA3_1707802040906.pdf
64	Advanced excel and foundation of data science workshop	52	27/5/23	https://kssem.edu.in/images/naac_2022_CRITERIA3_1707802040906.pdf



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- **Details of MOU and activities under MOU**

SI No	Organisation with which MoU is signed	Year of signing MoU	Duration	List the actual activities under each MOU year wise	Number of students/teachers participated under MoUs	Link to the document in KSSEM web
1	SIR M V Institute of Engineering Skills	2019	3 years	Land Survey using Total Station	44	View Document
2	Ascend School of Construction Business	2022	3 years	Importance of Higher education	43	View Document
3	CAD CENTER	2021	3 years	NIL		
4	Quantum Learnings	2021	3 years	Webinar	120	View Document
5	VHU Technology & Solutions Pvt. Ltd.	2020	5 years	NIL		
6	Rubixe	2022	3 years	Workshop on Data Science, ML & AI	122	View Document
7	Hard rock Space	2020	5 years	NIL		
8	GTTC, KANAKAPURA	2021	3 years	NIL		
9	Bangalore Aircraft Industries Pvt. Ltd.	2021	2 years	Invited guest lecturers, Industrial training and internship	60	View Documents



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10	Maven Silicon Softech Private Limited	2023	3 years	NIL		
11	Inversa Technosoft	2023	1 year	Hands-on training on "Introduction to Embedded Systems" from 8-7-2023 to 9-7-2023	50	View Documents
				Hands on Training on Interfacing of Sensors 21/5/23	60	
12	Silicon Micro Systems	2022	3 years	NIL		
13	Divya Enterprises	2019	3 years	Industrial Visit to Divya Enterprises on 8th December 2022	49	View Documents