

IQAC



**ANNUAL REPORT
2021-22**

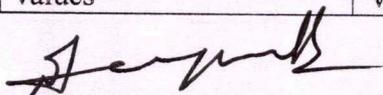


CONTENTS

SL. No	Particulars
01	Plan of Action
02	Result Analysis (UG & PG)
03	Journal Publications
04	Books/Chapter/Conferences
05	FDP/Workshop/ Training Programme etc., (Organized/Attended)
06	MOU's

Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved

Plan of Action	Achievements / Outcomes
Co Curricular activities and teaching learning process	<ul style="list-style-type: none"> • Webinars and quiz have been organized by Various departments. • Workshops have been organized by Various departments through online and offline to improve the knowledge of faculty and students. • 198 students have undergone Certification Program.
Industry Interaction	<p>Industrial visits: Various departments have organized industrial visits in which 190 students were participated in the industrial visits.</p> <p>Internships and Industrial Trainings: 330 students have undergone Internship/Project work in various organizations.</p> <p>MOUs: 13 MOUs have been signed with industries during the year 2021-22.</p>
Capability enhancement and development schemes	<p>Career Counselling:</p> <ul style="list-style-type: none"> • Online personal Counselling sessions have been conducted regularly. • More than 80% of the eligible students get placed at various companies during the year 2021-22. <p>Remedial Classes for slow learners:</p> <ul style="list-style-type: none"> • Remedial classes have been conducted regularly for Students with less than 50 of IA marks in Online mode. • 77 of faculty members are using ICT facilities. • Faculty development Program has been organized mechanical engineering epartment.
Research Activities and publications	<ul style="list-style-type: none"> • 09 Research papers have been published. • 08 Faculty Members are recognised as Research Guides. Civil, EEE and MECH departments are recognized as Research Centers by VTU Belagavi, Karnataka.
Extent of financial assistance to the faculty members	<ul style="list-style-type: none"> • 50 percent Concession is provided for medical treatment to employees of the Institute. • 30 Faculty members were provided with financial assistance to attend International conferences/Workshops. • Personal loans, Vehicle loans, Home loans • are provided to the employees of the institution.
Extra Curricular and Cultural activities	<p>Extension Activities:</p> <ul style="list-style-type: none"> • More than 700 students have participated in various extension activities. • NSS unit and Youth Red cross is very functional and involving students in activities like Blood donation camps, Tree plantations, Pulse polio camps to local children etc., continuously.
Human and Ethical values	Seminars / workshops are conducted for promotion of Universal Values and Ethics.



Coordinator

Internal Quality Assurance Cell (IQAC)

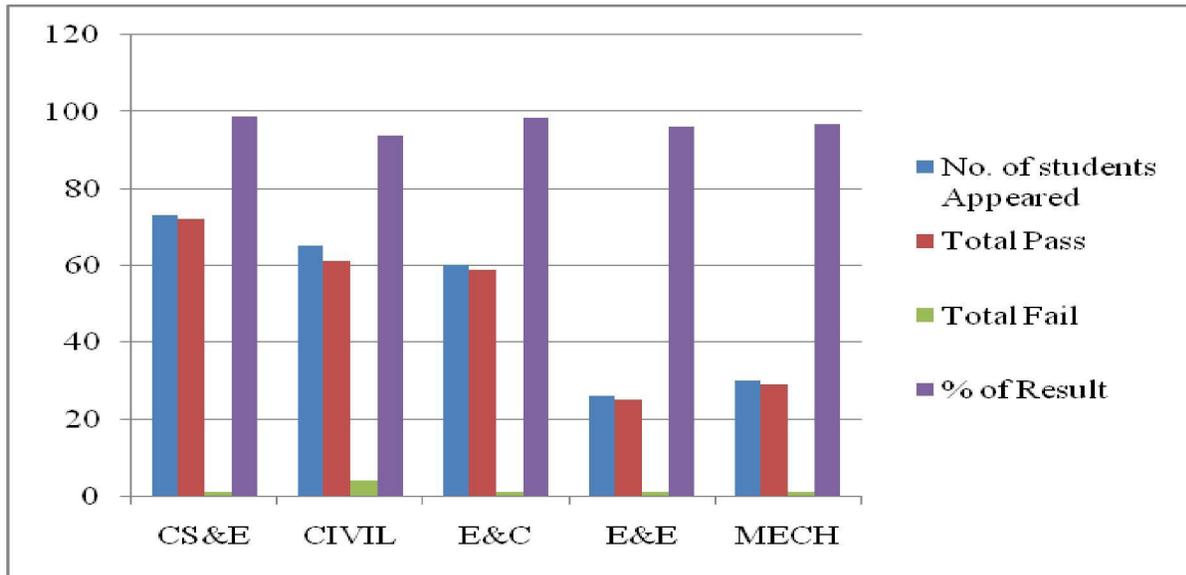


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S.J.M.I.T, CHITRADURGA

PERCENTAGE OF RESULTS FOR THE EXAMINATION - JULY 2022**2018 SCHEME**

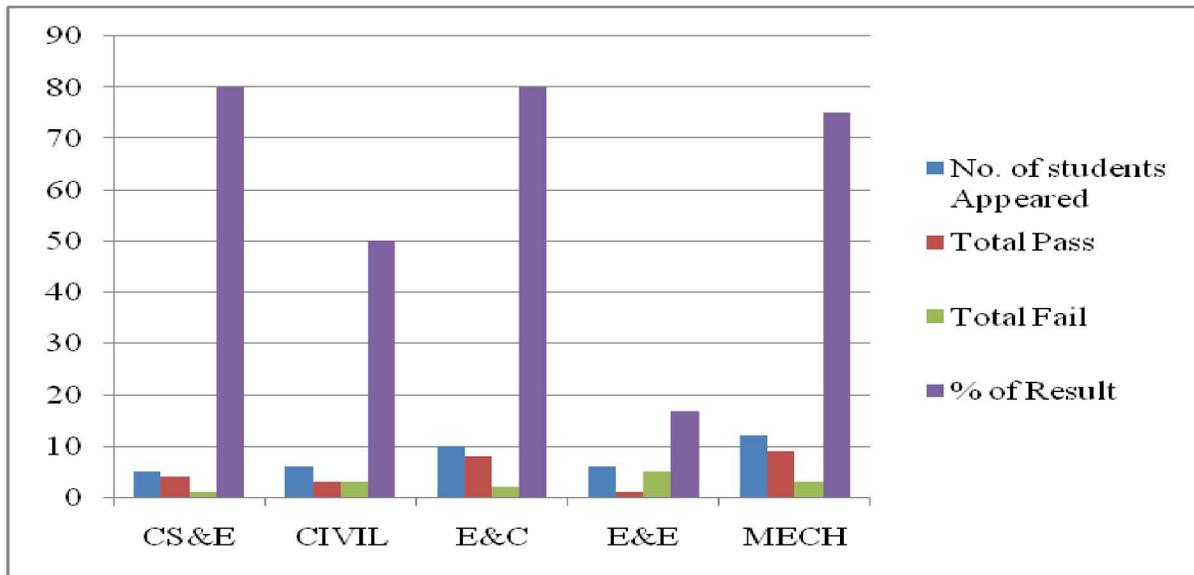
Branch	No. of students Appeared	Total Pass	Total Fail	% of Result
CS&E	73	72	1	98.63
CIVIL	65	61	4	93.85
E&C	60	59	1	98.33
E&E	26	25	1	96.15
MECH	30	29	1	96.67
TOTAL	254	246	8	96.85




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PERCENTAGE OF RESULTS FOR THE EXAMINATION - JULY 2022
2017 SCHEME

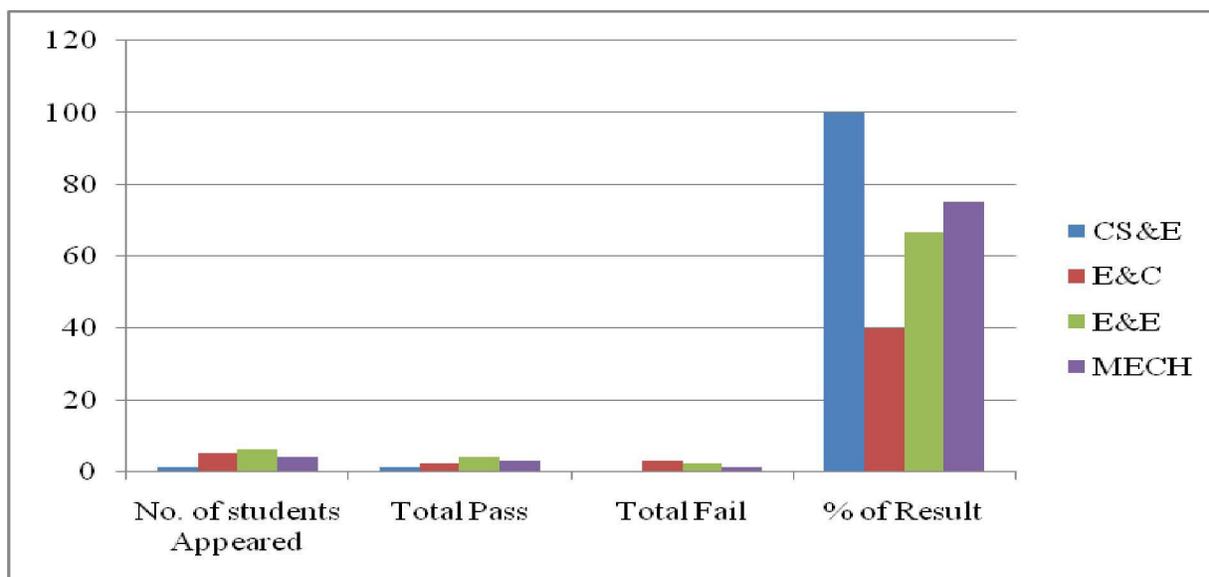
Branch	No. of students Appeared	Total Pass	Total Fail	% of Result
CS&E	5	4	1	80.00
CIVIL	6	3	3	50.00
E&C	10	8	2	80.00
E&E	6	1	5	16.67
MECH	12	9	3	75.00
TOTAL	39	25	14	64.10




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PERCENTAGE OF RESULTS FOR THE EXAMINATION - JULY 2022
2015 SCHEME

Branch	No. of students Appeared	Total Pass	Total Fail	% of Result
CS&E	1	1	0	100.00
E&C	5	2	3	40.00
E&E	6	4	2	66.67
MECH	4	3	1	75.00
TOTAL	16	10	6	62.50

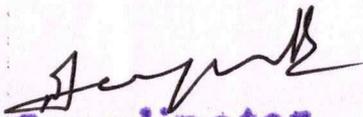



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Number of research papers per teachers in the Journals notified on UGC website during the year 2021-2022

SI No.	Title of Paper	Name of The Author/S	Department of The Teacher	Name Of Journal	Year of Publication	ISSN Number	Link To The Recognition In UGC Enlistment Of The Journal
1	Tribological Study on Effects of chill casting on Aluminium A356 Reinforced with Hematite articulated composites	Dr. Jagannatha N	Mechanical	Journal of Bio and Tribo Corrosion , Volume 8 , article 52 7th March 2022	2022	--	https://doi.org/10.1007/s40735-022-00635-7
2	Studies on high temperature wear behavior of magnesium metal matrix composites	Dr. Satish J	Mechanical	International journal of innovative research in science, Engineering and Technology Volume 10, issue 8, August 2021	2021	e-ISSN: 2319-8753, p-ISSN: 2320-6710	10.15680/IJIRSET.2021.1008063
3	Experimental Investigation and Processing of Aluminium with Silicon Carbide and Graphite Particulates	Dr.Rajesh A M Dr.Bharath P B Prof.Prabhuswamy G S Dr.Shivakumar S P	Mechanical	International Journal of Engineering & Technology (IJERT)	2022	ISSN: 2278-0181	https://www.ijert.org/our-indexing
4	Analysis of chattering in step down converter via sliding mode reaching law	Dr. Siddesh K B	Electronics & Communication Engg	IJAPE	2022	2252-8792	http://doi.org/10.11591/ija-pe.v1i1.pp25-32
5	Chattering reduction in step down converter using Robust reaching law	Dr. Siddesh K B Prof. Sridhar S N Prof. Sudharshan M K Prof. Lavakumar T B Prof. Sandeep V R	Electronics & Communication Engg	Elsevier	2022	1735-1741	https://doi.org/10.11591/ei.v1i1i3.3790

6	Smart Camera Enabled Door Lock and Unlock System Using IOT	Ramesh B E	Computer science and Engg	Journal of Emerging Technologies and Innovative Research (JETIR) Volume 8 Issue 8 August-2021	2021	eISSN: 2349-5162	http://doi.one/10.1729/Journal.28060
7	Recognition of Diseases in Oryza Sative Plants using Image Processing and Machine Learning Techniques	Ramesh B E	Computer science and Engg	International Journal Of Engineering Research & Technology (Ijert) Volume 11, Issue 06 (June 2022)	2022	eISSN: 2349-5162	10.17577/IJERTV11IS060141
8	Reduction of Switching Losses in Step Down Converter using Proposed Reaching Law	Dr. Siddesh K B Prof. Sridhar S N Prof. Sudharshan M K Prof. Lavakumar T B Prof. Sandeep V R	Electronics & Communication Engg	IJARIE	2022	650-657	16.0415/IJARIE-16197
9	Impact of Cattaneo–Christov heat flux on hydromagnetic flow of non-Newtonian fluids filled with Darcy–Forchheimer porous medium	Ganesh Kumar. K	Mathamatics	Waves in Random and Complex Media	2021	-	--

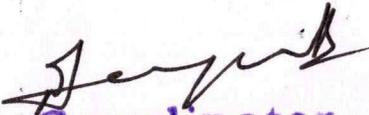

Coordinator
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**Number of books and chapters in edited volumes/books published and papers published
in national/ international Conference Proceedings during year 2021-2022**

Sl. No.	Name of The Teacher	Title of The Paper	Title of The Proceedings of The Conference	National / International	Year of Publication	ISBN/ISSN Number of The Proceeding	Affiliating Institute At The Time of Publication	Name of The Publisher
1	Dr. Jagannatha N	Investigation of laser abrasive jet machining of soda lime glass	ICRDME – 2022 Conference Proceedings	International	2022	ICRDME – 2022 Conference Proceedings -	SJM Institute of Technology	-
2	Dr.Rajesh A M Dr.Bharath P B Prof. Prabhuswamy G S Dr.Shivakumar S P	Experimental Investigation and Processing of Aluminium with Silicon Carbide and Graphite Particulates	ICEI – 2022 Conference Proceedings	International	2022	ISSN: 2278-0181	SJM Institute of Technology	IJERT
3	Dr. Satish J	Studies on high temperature wear behavior of magnesium metal matrix composites	IJIRSET.2021 Conference Proceedings	International	2021	e-ISSN: 2319-8753, p-ISSN: 2320-6710	SJM Institute of Technology	IJIRSET
4	Prof. Chetan S	A Compact Meta material inspired triple band monopole antenna for wireless applications	NGIEC	International	2021	JETIR, vol-8, issue-8, ISSN:2349-5162-DOI-10.6084/M9	EPCET, Bengaluru	JETIR
5	Prof. Chetan S	Design and development of frequency reconfigurable microstrip planar monopole antenna	NGIEC	International	2021	JETIR, vol-8, issue-8, ISSN:2349-5162-DOI-10.6084/M9	EPCET, Bengaluru	JETIR

6	Dr.Manjunatha S C Mrs.Sudha T Mr.Sanjay Kumar K Mr.Raghu S	Bluetooth control pick and place Robot using Arduino,	ICEI	International	2022	ISSN:2278-0181	JIT, Davanagere	-
7	Mr.Maruthi naik R K Mr.Chandrashekhar R K Mr.Sanjay Kumar K Mr.Raghu S	Fire Fighting Robot with a Voice	ICEI	International	2022	ISSN:2278-0181	JIT, Davanagere	-
8	Pramod P S	Comparative study on Collision effect using Response Spectrum Analysis	IJRSET	International	2022	2319-8753	-	IJRSET
9	Hussain Imran K M	Comparative Analysis of RCC structures	IRJET	International	2022	2395-0056	-	IRJET
10	Shankar G S	Structural Analysis of Assymetrical multistory building with water tank as FVD	IJRSET	International	2022	2319-8753	-	IJRSET

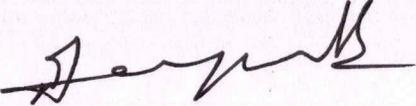

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Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year 2021-22

Name of Teacher Who Attended	Title of The Program	Duration (from – to) (DD-MM-YYYY)
Dr. Rajesh A M	5 Days online faculty development programme on “Hydrogen, Ethanol and Natural gas as an Alternative and Sustainable fuels for Transportation.	07-04-2021 to 11-04-2021
Prof. Chandershekar R Kambali	FDP on Inculcating Universal human values in Technical Education	13-09-2021 to 17-09-2021
Prof. Raghu.S	Inculcating Universal human values in Technical Education	13-09-2021 to 17-09-2021
Prof. Anusha V	Inculcating Universal Human Values in Technical Education	20-09-2021 to 24/09/2021
Prof. Prabhuswamy G S	5 Days short term course on “Power transmission and motion control”	14-02-2022 to 19-02-2022
Prof. Apoorva G O	An over view of Teaching Techniques in Mathematics Lab Using Python Program	21-02-2022 to 25-02-2022
Prof. M R Desai	An over view of Teaching Techniques in Mathematics Lab Using Python Program	21-02-2022 to 25-02-2022
Prof. Usman Ali A R	Universal human values-An Overview	02-03-2022 to 06-03-2022
Prof. Nandini G R	Orientation/Refersher Program on Design Thinking	07-03-2022 to 12-03-2022
Prof. Sushmita Deb	Orientation Refersher Program on Design Thinking	07-03-2022 to 12-03-2022
Prof. Meenakshi M	FDP on Inculcating Universal human values in Technical Education	14-03-2022 to 18-03-2022
Prof. Vidyarani N.J	FDP on Inculcating Universal human values in Technical Education	14-03-2022 to 18-03-2022
Prof. Thanushree B R	FDP on Inculcating Universal human values in Technical Education	14/03/2022 to 18/03/2022
Dr. Pavan Kumar D	One week FDP - Industrial automation, industry 4.0	14-03-2022 to 18-03-2022
Dr. Jagannatha N	40hour online faculty development programme on"Python Programming for Artificial Intelligence High performance computing and Data analytics	20-06-2022 to 01-07-2022
Dr.Satish J	One week national level online faculty development programme “Current Trends in Manufacturing”	13-06-2022 to 17-06-2022
Prof. Madhu K C	One week national level online faculty development programme “Current Trends in Manufacturing”	13-06-2022 to 17-06-2022

Prof. Vishwanath D	One week national level online faculty development programme "Current Trends in Manufacturing"	13-06-2022 to 17-06-2022
Prof. Nagaraja T	One week AICTE - ISTE sponsored refreshed programme on "Recent advances in materials design, manufacturing, charecterization, machining and its applications"	22-02-2022 to 28-02-2022
Prof. Roopa S	FDP on Data science and networking	25-08-2022 to 27-08-2022
Prof. Jayadevappa R S	FDP on Data science and networking	25-08-2022 to 27-08-2022

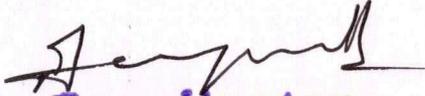

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Quality Development Programmes conducted by the IQAC of the institution during the year 2021-22

Name of the activity	Organising unit / Agency / Collaborating Agency	Name of the Scheme	Duration and year of Activity	Number of participants
Awareness Programme for SJM Polytechnic students	Bio-fuel Research Information and Demonstration Centre (BRIDC)	Bio-fuel Research	24-02-2022	32
Clean & Green campus	National Service Scheme	NSS Scheme & AICTE Activity point	29-03-2022	129
COVID 19 TEST	National Service Scheme	NSS Scheme & AICTE Activity point	10-03-2022 to 12-03-2022	254
Awareness Programme on Plantation of Bio-fuel Trees	Bio-fuel Research Information and Demonstration Centre (BRIDC)	Bio-fuel Research	10-08-2021	13
World Environment day Program	National Service Scheme	NSS Scheme & Bio-fuel Research	30-06-2022	40
Swacha Bharath Abhiyan	NSS & IQAC - S.J.M Institute of Technology	NSS Scheme	14-06-2022	30
Tree Plantation	Bio-fuel Research Information and Demonstration Centre (BRIDC)	Bio-fuel Research	12-11-2021 to 13-11-2021	35
Awareness Programme on Career Guidance	NSS & IQAC - S.J.M Institute of Technology	AICTE Activity point	18-06-2022 & 19-06-2022	60
Swacha Bharath Abhiyan	NSS & IQAC - S.J.M Institute of Technology	AICTE Activity point	12-11-2021 to 13-11-2021	60
Awareness Programme on water management	NSS & IQAC - S.J.M Institute of Technology	AICTE Activity point	11-01-2022 to 20-01-2022	50
Swacha Bharath Abhiyan	NSS & IQAC - S.J.M Institute of Technology	AICTE Activity point	01-07-2022 to 12-07-2022	60
Awareness Programme on Career Guidance	NSS & IQAC - S.J.M Institute of Technology	AICTE Activity point	11-03-2022	50
Swacha Bharath Abhiyan	NSS & IQAC - S.J.M Institute of Technology	AICTE Activity point	21-05-2022 & 22-05-2022	50
One day online workshop on Entrepreneurship	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	23-06-2022	60
IPR Awareness Webinar program for Faculties and Students Online	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	20-07-2022	300
Two Days on Entrepreneurship awareness program on "Cadence Tool Software"	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	25-04-2022 to 26-04-2022	60
Computer Skills to Medical College Staff	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	16-08-2021 to 23-08-2021	28

One day activity based workshop on "Innovation Harvesting and IP Protection"	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	11-12-2021	80
One Week National Level Online Faculty Development Program on "CURRENT TRENDS IN MANUFACTURING"	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	13-06-2022 to 17-06-2022	300
One day online workshop on "NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION"	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	23-06-2022	75
Three days hands on Workshop on "Python: A In Demand Programming Language"	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	28-04-2022 to 30-04-2022	150
Two days Workshop on "Advanced Embedded System for Product Development"	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	12-11-2021 and 13-11-2021	75
Two days Workshop on "Arduino Controller & Application Development"	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	23-02-2022 and 24-02-2022	32
Workshop on "PYTHON PROGRAMMING FOR GIRLS STUDENT"	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	19-05-2022 to 27-05-2022	35
Training on Python Programming for Girls Program	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	25-04-22 to 05-05-2022	132
Workshop on "Basic Computer Skills Training"	IQAC - S.J.M Institute of Technology	Quality Improvement Programs	16-8-2021 to 23-08-2021	83


Coordinator
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MOU

2- Waste Management

MEMORENDUM OF UNDERSTANDING

Between

Party - 1

Party - 2

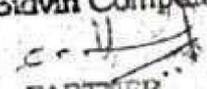
SIDVIN COMPUTERS
Sri Sai Complex, JCR Circle, Jer
Extension, Chitradurga - 577501.

AND

Principal,
S.J.M. Institute of Technology,
S.J.M. Campus,
Chitradurga-577502.

This memorandum of understanding (MOU) entered on 21.04.2015 to establish a mutual working relationship between Party-1 & 2 (and respective heirs executives, Administrators, Assignees and successors) now therefore, for the purpose of E- waste disposal.

For Sidvin Computers


PARTNER

SIDVIN COMPUTERS
Sri Sai Complex, JCR Circle,
JCR Extension, Chitradurga - 577501

AND


Principal,
S.J.M. Institute of Technology,
S.J.M. Campus,
Chitradurga-577502.

Terms & Conditions:

- Party 1 has to dispose the damaged computers.
- Party 1 has to dispose other E-waste materials are properly.
- Party 2 has to certify the E - waste and transportation arrangements need to make.

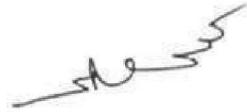
SJM Vidyapeetha®

SJM Institute of Technology, Chitradurga

Department of Computer Science and Engineering

MOU Details

Sl.No	Company	Status
01	Abeyatrix soft lab OPC Private Limited, Davanagere	Active
02	Grep & AWK Technologies, Bangalore	Active
03	SIDVIN Computers, Chitradurga	Active
04	TCS, Mumbai	Active



Professor & Head
Department of Computer Science & Engg.
SJMIT.. CHITRADURGA - 577 502

SJM Institute of Technology
Department of Mechanical Engineering
Details of MoU's

Sl.	Name of the institution/ industry/ corporate house	Date of MoU	Purpose / Activities
1	PVC Agritech, Davanagere-577 005.	01-08- 2021	Industrial visites, Interaction with students
2	PVC Pumps Pvt. Ltd., Davanagere-577 005.	01-08- 2021	Industrial visites, Interaction with students
3	Vinyas Associates, Chitradurga	10-08-2021	Technical Interaction , Team building and EDPs.
4	Mile stone Training Center, Chitradurga.	08-08-2021	Soft ware development and Advanced computer skills
5	SKILLDZIRE Technologies pvt Ltd	20-08- 2021	Skill training
6	Government Tool Room and Training Center, Chitradurga	19-09- 2022	Internship Training and Technical Training

19-10- 2022


Head of the Department 19/10/22

PROFESSOR & HEAD
DEPARTMENT OF MECHANICAL ENGG.
S J M INSTITUTE OF TECHNOLOGY
CHITRADURGA-577502

Department of Electronics & Communication Engg.,

S.J.M.I.T., Chitradurga - 577502

MOU Details

SI No	Company	Status
01	Abeyaantrix Softlab OPC Pvt Ltd, Davanagere	Active
02	Energea Technolabs, Bengaluru	Active
03	Entuple Technologies Pvt Ltd, Bengaluru	Active
04	Technologies Global Pvt Ltd, Bengaluru	Active



H.O.D

**Head of the Dept.,
Electronics & Commn. Engg.,
S.J.M.I.T.,
CHITRADURGA - 577502.**