### **Our Vision**

"To emerge as a world class university in creating and disseminating knowledge and providing students a unique learning experience in their chosen field of scholarship, that would best serve the society. The quality of education and service provided will be of the highest order. The University is committed to the advancement of education across all spheres".

### **Our Mission**

- Develop into an interdisciplinary institute combining academic rigor, excitement of discovery, creativity, and entrepreneurship.
- Deliver world class research-based education, creating new knowledge and innovations.
- Provide an inspiring and stimulating environment for a diverse campus community of faculty and students.



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## SRM University - AP, Andhra Pradesh

SRM University - *AP*, Andhra Pradesh is a multi-stream research university with a vision to emerge as a world-class university that is globally connected, nationally relevant, and regionally transformative. SRM University - *AP*, Andhra Pradesh is a 100 acres' green campus located near Neerukonda village in Mangalagiri mandal of Guntur district in Andhra Pradesh. The campus also houses home to its students, residential faculties, and staff in five apartment buildings.

SRM University - *AP*, Andhra Pradesh offers a blend of traditional classrooms to active, problem-based environments for adaptive learning, cutting-edge research facilities and much more. Foreign faculty, flexible and dynamic curriculum, exciting research, and global connections are the features on which we are building our university. The faculties include PhDs from reputed institutions and extensively trained from leading Institute's from India and abroad.

The mess provides dining facility for the students, faculty members, staff and visiting guests. The mess caters a varied menu, keeping the diverse community in mind. The fitness centre, health care centre, cafeterias, a bank with two ATMs and a post office in the campus caters the essential need of students, faculty members, staffs, and guests/visitors. The campus is secure with round the clock deployment of security personnel. The transport service of the University that includes a fleet of buses and cars that transport the students, faculties, and staffs from the neighboring regions.

SRM scholarships are awarded based on academic accomplishments, sports, cultural excellence, and for economically challenged and differently abled students.

S1.	Cabalawahin mama Elizihilitza famtha Cabalawahin		Percent of Scholarship		
No	Scholarship name	Eligibility for the Scholarship	Tuition	Hostel	Mess
1	SRM Founder's scholarship	Top 100 in the SRMJEEE merit list CBSE or State Board District Topper in any district in India Exemplary sportspersons at National / International Level		100	100
2	SRM Merit Scholarship	SRMJEEE rank 101 to 500 SRMJEEE rank 501 to 1000 SRMJEEE rank 1001 to 2000 SRMJEEE rank 2001 to 3000	100% 75% 50% 25%		
3	Socio-Economic Scholarship	As determined by scholarship committee	25% to 100%		
4	Differently abled Scholarship		25% to 100%		
5	SRM Arts and Culture scholarship	Possessing exemplary skills in literary and fine arts as assessed by the scholarship committee	25% to 100%		

# **Governing Body**

SRM University-AP's Governing Body is the governing authority of the University. The Governing Body oversees all major decisions concerning the conduct of the University and the University's physical and academic development. Composed of eight Fellows and chaired by the President, the Governing Body makes the strategic decisions for the prosperity of the University.

Dr P. Sathyanarayanan Chairman of the Board and President, SRM University, India.
Prof. V. S. Rao Vice Chancellor, SRM University – AP, Andhra Pradesh.
Dr Nicholas Dirks Emeritus Chancellor, University of California, Berkeley, US.
Dr Pradeep Khosla Chancellor, University of California, San Diego, US.
Dr Prasant Mohapatra Vice Chancellor for Research, University of California, Davis, US.
Dr. K. N. Ganesh Director, IISER, Tirupati.
Mr. N. Ram Chairman, The Hindu Publishing Group, India.
<b>Dr R. Premkumar</b> Registrar & Member – Secretary SRM University – <i>AP</i> , Andhra Pradesh.

# **Board of Management**

The Vice-Chancellor being the principal administrative officer of the University, the Board of Management is constituted to aid the Vice-Chancellor in the operational procedures of the University. The Board provides advice to the Vice-Chancellor on all organizational matters, including the University's strategic priorities and policies. quality of the University's academic and administrative activities.

	Prof. V. S. Rao Chairperson and Vice Chancellor, SRM University – <i>AP</i> , Andhra Pradesh.
	Prof. D. Narayana Rao Pro Vice Chancellor, SRM University – AP, Andhra Pradesh.
	Prof. C. Muthamizhchelvan Director, Engineering & Technology, SRM University –SRMIST, Chennai
	Prof. Damodar Acharya Former Director, IIT Kharagpur
	Prof. N. Balakrishnan Indian Institute of Science, Bangalore
	Prof. B. V. R. Chowdari Nanyang Technological University, Singapore
9	Prof. Chandra Shekhar Chancellor, Academy of Scientific
	Prof. Seeram Ramakrishna Co-Director, NUS Nanoscience & Nanotechnology Initiative (NUSNNI)
	<b>Dr R. Premkumar</b> Registrar & Member – Secretary SRM University – <i>AP</i> , Andhra Pradesh.

## **Academic Council**

Sl. No	Designation	Members	Remarks
1	Vice Chancellor	Prof. V. S. Rao	Ex - Officio Chairman
2	Pro Vice Chancellor	Prof. D. Narayana Rao	Ex - Officio Member
3	All Deans	<ol> <li>Prof. Sudhindra Nath Panda         Dean – Faculty Development</li> <li>Prof. B. V. Babu         Dean – School of Engineering and Sciences (SEAS)</li> <li>Prof. S. Bharadhwaj         Dean – School of Entrepreneurship and Management Studies (SEAMS)</li> <li>Dr. Vinayak Kalluri         Dean – Academic Affairs &amp; Associate Dean – Quality Assurance and Rankings (QAR)</li> <li>Prof. T. Ragunathan         Associate Dean, Engineering Programs – School of Engineering and Sciences (SEAS)</li> <li>Prof. Ranjit Thapa         Associate Dean, Science Programs - School of Engineering and Sciences (SEAS)</li> <li>Prof. C. Durga Rao         Associate Dean – School of Liberal Arts and Social Sciences (SLASS)</li> <li>Dr. B. Sivakumar         Deputy Dean, Academic Affairs</li> </ol>	Ex - Officio Members
4	Two eminent Professors from IIT / NIT / IISC / IISER / University System nominated by the Chancellor	<ol> <li>Prof T. V. Gopal - Professor, Department of Mechanical Engineering, SRMIST, Chennai</li> <li>Prof. U. Ramamurty - Professor, Department of Materials Engineering, Indian Institute of Science (IISc) &amp; School of Mechanical and Aerospace Engineering, Nanyang Technological University (NTU) Singapore</li> </ol>	Members
5	One eminent person from Industry nominated by Chancellor	Dr. K. I. Varaprasad Reddy Founder, Shantha Biotechnics Limited, Hyderabad	Member

6	Heads of Departments	<ol> <li>Prof. T. Ragunathan - CSE</li> <li>Dr. Ramesh Vaddi - ECE</li> <li>Dr. Prakash Jadhav - ME</li> <li>Dr. Tousif Khan - EEE</li> <li>Dr. G. V. P. Bhagath Singh - CE</li> <li>Prof. V. Kannan - Mathematics</li> <li>Prof. Jayaseelan Murugaiyan - Biology</li> <li>Dr. S. Mannathan - Chemistry</li> <li>Dr. Pranab Mandal - Physics</li> <li>Dr. Karthik Rajendran- EVS</li> <li>Dr. Supriya Daniel - English</li> <li>Dr. S. Ananda Rao- Economics</li> <li>Dr. Maanvendar Singh - History</li> <li>Dr. Ugen Bhutia - Journalism</li> <li>Dr. Ayesha Parveen H - Psychology</li> <li>Prof. Srinivasa Desikan Raghavan - Management</li> <li>Dr. A. Lakshmana Rao - Commerce</li> </ol>	Ex - Officio Members
7	One third of the Professors of the University by rotation for a period of two years based on seniority	<ol> <li>Prof. Radha Guha         Department of Computer Science and Engineering     </li> <li>Prof. A. V. S. Kamesh         Department of Management     </li> </ol>	Members
8	Controller of Examination	Dr. Vinayak Kalluri	Ex - Officio Member
9	Librarian	-	Ex - Officio Member
10	Two Associate Professors of the University by rotation for a period of two years based on seniority	<ol> <li>Dr. Sheela Singh         Department of Mechanical Engineering     </li> <li>Dr. P. Krishna Prasad         Department of Computer Science and Engineering     </li> </ol>	Members
11	Two Assistant Professors of the University by rotation for a period of two years based on seniority	<ol> <li>Dr. Sabyasachi Mukhopadhyay         Department of Physics     </li> <li>Dr. T. Sreenivasulu         Department of Electronics and Communication Engineering     </li> </ol>	Members
12	One Faculty Resident Warden on rotation	<b>Dr. Shubh Lakshmi</b> Resident Faculty Warden	Member
13	Two student representatives (One from undergraduate programs and one from postgraduate / research programs)	1. Ms. G. Lakshmi Sai Bhargavi (AP19110010405) B.Tech – Computer Science and Engineering 2. Ms. Anusha Nalajala (AP18125010003) Ph. D Computer Science and Engineering.	Members
14	Registrar	Dr. R. Premkumar	Ex - Officio Member - Secretary

# **University Research Council**

Sl. No	University Research Council	Designation
1	<b>Dr. V. K. Saraswat</b> , Member – NITI Aayog, Parliament Street, New Delhi – 110 001, Email: <b>vk.saraswat@nic.in</b>	Chairperson
2	Prof. V. S. Rao, Member, Vice Chancellor, SRM University, AP – Andhra Pradesh, Andhra Pradesh – 522 240, Email: vc@srmap.edu.in	Co - Chairperson Ex-Officio
3	<b>Prof. U. B. Desai</b> , Chancellor, Anurag University, Hyderabad, Ex. Director, IIT Hyderabad, Ghatkesar, Telangana – 500 088, Email: <b>ubdesai@gmail.com</b>	Member
4	Prof. K. Satyanarayana, Director, IIT Tirupati, Renigunta Road, Settipalli Post, Tirupati – 517 506, Email: director@iittp.ac.in	Member
5	<b>Prof. P. Appa Rao</b> , Vice Chancellor, University of Hyderabad, Prof. C.R Rao Road, Gachibowli, Hyderabad – 500 046, Email: <b>podilerao@gmail.com</b>	Member
6	<b>Prof. Kamanio Chattopadhyay</b> , Department of Materials Engineering, IISc, Bangalore – 560 012, Email: <b>kamanio@iisc.ac.in</b>	Member
7	Prof. R. Balasubramaniam, The Institute of Mathematical Science, C.I.T Campus Taramani, Chennai, Email: balu@imsc.res.in	Member
8	<b>Prof. Gowtham R. Desiraju</b> , Solid State Structural Chemistry Unit, Indian Institute of Science, Bengaluru – 560 012, Email: gautham.desiraju@gmail.com	Member
9	Dr. Anil Kumar, JC Bose National Fellow, Physical & Materials Chemistry Division, CSIR – National Chemical Laboratory, Pune – 411 008, Email: dranilkumar1956@gmail.com	Member
10	<b>Dr. S. R. Rao,</b> Vice President, Sri Balaji Vidyapeeth, Pondicherry 607 402, Email: srrao.dbt@nic.in	Member
11	Dr. K. Varaprasada Reddy, Chairman Emeritus, Shantha Biotechnics Ltd, 4th Floor, Vasantha Chambers, Fateh Maidan Road, Basheerbagh, Hyderabad – 500 004, Email: varaprasad.koduru@sanofi.com/varam17@gmail.com	Member
12	<b>Prof. B.S. Murthy</b> , Director, IIT Hyderabad, Hyderabad – 502 205, Email: <b>bsm@iith.ac.in</b>	Member
13	Prof. B. P. Sinha, Professor, IEEE Fellow, Advanced Computing & Microelectronics Unit, Indian Statistical Institute, 203, B.T Road, Kolkata, West Bengal, India, Email: bhabhani@isical.ac.in	Member
14	Dr. G. Padmanabham, Director, ARCI Balapur P.O, Hyderabad – 500 005, Email: director@arci.res.in/ gp@arci.res.in/padmanab@acm.org	Member

15	Member		
16	Singapore – 639 798, Email: chowdari@ntu.edu.sg  Prof. G. P. Das, Senior Professor, Department of Materials  Science, Indian Association for the Cultivation of Science,  Jadavpur, Kolkata – 700 032, Email: msgpd@iacs.res.in		
17	Prof. Shyam R. Asolekar, Center for Environmental Science & Engineering, IIT Bombay, Powai, Mumbai – 400 076, Email: asolekar@iitb.ac.in		
Dr. R. Premkumar, Registrar, SRM University, AP – Andhra 18 Pradesh, Andhra Pradesh – 522 240, Email: registrar@srmap.edu.in		Member Ex-Officio	
19	Prof. D. Narayana Rao, Pro Vice Chancellor, SRM University, AP – Andhra Pradesh, Andhra Pradesh – 522 240, Email: provc@srmap.edu.in	Member - Convener Ex-Officio	

# **University Research Board**

Sl. No	Name and Designation	Constitution	Position		
1	Manoj K Arora, Vice Chancellor	Ex-Officio	Chairperson		
2	<b>Prof. D. Narayana Rao,</b> Pro Vice Chancellor	Ex-Officio	Vice Chairperson		
External	Member from Academia		•		
3	<b>Prof. M. Balakrishnan</b> , IIT, Delhi Email: mbala@cse.iitd.ac.in	External Expert	Member		
Deans/A	Associate Deans / Deputy Dean				
4	Prof. Sudhindra Nath Panda, Dean - Faculty Development	Ex-Officio	Member		
5	<b>Prof. B. V. Babu</b> , Dean – School of Engineering and Sciences	Ex-Officio	Member		
6	<b>Prof. S. Bharadhwaj</b> , Dean – School of Entrepreneurship and Management Studies	Ex-Officio	Member		
7	<b>Prof. B. Kamaiah</b> , Dean – School of Liberal Arts and Social Sciences	Ex-Officio	Member		
8	<b>Dr. Vinayak Kalluri,</b> Dean – Academic Affairs, Associate Dean Quality Assurance and Rankings & Controller of Examinations	Ex-Officio	Member		
9	<b>Prof. T. Ragunathan,</b> Associate Dean – Engineering Programs, School of Engineering and Sciences	Ex-Officio	Member		
10	<b>Prof. Ranjit Thapa</b> , Associate Dean – Science Programs, School of Engineering and Sciences	Ex-Officio	Member		
11	<b>Dr. B. Sivakumar</b> , Deputy Dean - Academic Affairs	Ex-Officio	Member		
HOD					
12	Prof. Jayaseelan Murugaiyan, HOD - Department of Biology	HOD	Member		
Faculty N	Members				
13	<b>Dr. Sheela Singh</b> , Associate Professor – Department of Mechanical Engineering	Faculty Members	Member		
14	<b>Dr. Sutharsan Govindarajan,</b> Assistant Professor - Department of Biology	Faculty Members	Member		
15	<b>Dr. Satish Anamalamudi,</b> Assistant Professor – Department of CSE	Faculty Members	Member		
16	<b>Dr. Mahesh Kumar Ravva</b> , Assistant Professor-Department of Chemistry	Faculty Members	Member		
17	<b>Dr. K. M. Divya Chaturvedi,</b> Assistant Professor - Department of ECE	Faculty Members	Member		
18	<b>Dr. Ayesha Parveen Haroon,</b> Assistant Professor - Department of Psychology	Faculty Members	Member		
Ph.D. Scholar					
19	Ms. Kotha Jyothi, Ph.D. Scholar - Department of Biology	Ph.D. Scholar	Member		
Member Secretary					
20	Dr. R. Premkumar, Registrar	Ex-Officio	Member - Secretary		

# Faculty & Staff

### **Founders**

Sl. No	Name	Designation
1	Dr. T. R. Paarivendhar	Chancellor
2	Dr. P. Sathyanarayanan	Founder & Pro Chancellor

## Leadership

Sl. No	Name	Designation
3	Prof. V S Rao	Vice Chancellor (until 08/09/2022)
4	Prof. D. Narayana Rao	Pro Vice Chancellor
5	Dr R. Premkumar	Registrar
6	Prof. B. V. Babu	Dean - SEAS
7	Prof. Sudhindra Nath Panda	Dean - Faculty Development
8	Ms. Suma Nulu	Chief Finance and Accounts Officer (CFO)
9	Wg. Cdr. Venkataachalam Sekkappan	Director, Campus Life & Maintenance (CLM) (until 18/08/2022)
10	Dr K Mohan	Director - ITKM
11	Mr. Sreenivasulu Putta	Director – Admissions (until 04/08/2021)
12	Mr. R Sivakumar	Director HR (until 06/12/2021)
13	Dr Vinayak Kalluri	Dean Academic Affairs, Associate Dean-Quality Assurance and Rankings & Controller of Examinations
14	Mr. Udayan Bakshi	Associate Director - Entrepreneurship
15	Mr. M.S. Vivekanandan	Associate Director
16	Ms. B Revathi	Assistant Director
17	Dr Arundhati Ghanwar	Associate Director
18	Dr S Sankaranarayanan	Assistant Director
19	Dr Suhasini Bolisetty	Assistant Director
20	Mr. Rahul Pearce	Assistant Director
21	Mr. Sourabh Dwivedi	Assistant Director

# Faculty Members- Listed Department Wise (Alphabetic order) Biological Sciences

Sl. No	Name	Designation
22	Prof. Jayaseelan Murugaiyan	Professor
23	Prof. Chilakalapudi Durga Rao	Professor
24	Dr. Anil K. Suresh	Assistant Professor
25	Dr Manjunatha Thondamal	Assistant Professor
26	Dr Writoban Basu Ball	Assistant Professor
27	Dr Pancha Imran Yunusbhai	Assistant Professor (until
28	Dr Sutharsan Govindarajan	Assistant Professor
29	Dr Neelabh	Guest Faculty
30	Dr Pitchaiah Cherukuri	Assistant Professor
31	Dr Naga Bhushana Rao Karampudi	Assistant Professor

### **Business Administration**

Sl. No	Name	Designation
32	Prof. Srinivasa Desikan Raghavan	Associate Dean - SLASS & SEAMS (until 31.06.2022)
33	Prof. AVS Kamesh	Professor
34	Prof. Saumen Chakraborty	Distinguished Visiting Professor
35	CA. Dr. Mahalakshmi Mudliar	Associate Professor
36	Dr Vimal Babu	Associate Professor
37	Dr Ajitha	Assistant Professor (until 31.07.2021)
38	Dr Aparna Choudhary	Assistant Professor (until 230.04.2022)
39	Dr Lalita Mohan Mohapatra	Assistant Professor
40	Dr Sumit Kumar	Assistant Professor
41	Dr M Vijaya Prabhagar	Assistant Professor
42	Dr Md Asadul Haque	Assistant Professor
43	Dr Abhimalla Rohit Kumar	Assistant Professor

### **Career Development**

Sl. No	Name	Designation
44	Mr. Asghar Ahmed	Soft Skill Trainer
45	Mr. Naresh Adapa	Trainer _ Quantitative Aptitude
46	Mr. Shaik Mohammed Musa Kaleemullah	Trainer_Verbal Ability

## Chemistry

Sl. No	Name	Designation
47	Dr S. Mannathan	Associate Professor & HOD
48	Dr Pardha Saradhi Maram	Associate Professor
49	Dr Ravva Mahesh Kumar	Assistant Professor
50	Dr Nimai Mishra	Assistant Professor
51	Dr Sabyasachi Chakrabortty	Assistant Professor
52	Dr Rajapandiyan Panneerselvam	Assistant Professor
53	Prof. Lakshmi Kantam Mannepalli	Visiting Professor
54	Dr Satheesh Ellipilli	DST - Ramanujan Fellowship Faculty

## **Civil Engineering**

Sl. No	Name	Designation
55	Dr Kasthurirangan Gopalakrishnan	Professor & Associate Dean for Research (until 10.08.2021)
56	Dr G V P Bhagath Singh	Assistant Professor and Faculty Coordinator
57	Dr Naga Swetha Pasupuleti	Associate Professor - Civil Engineering and Associate Director - International Relations
58	Dr KVNS Raviteja	Assistant Professor
59	Dr Uma Maheswar Arepalli	Assistant Professor
60	Dr Katakam Lakshmi Subhavana	Assistant Professor (until 16.03.2022)
61	Dr Thainswemong Choudhury	Assistant Professor (until 30.08.2022)
62	Dr Ainal Hoque Gazi	Assistant Professor
63	Dr Ayapilla Narasimha Murthy	Lecturer

### Commerce

Sl. No	Name	Designation
64	Dr. Ayyagari Lakshmana Rao	Assistant Professor
65	Dr. Shailender Singh	Associate Professor

## Computer Science and Engineering

Sl. No	Name	Designation
66	Prof. T. Ragunathan	Professor - HOD & Associate Dean - In- charge (Engineering Programs), SEAS
67	Prof. Radha Guha	Professor
68	Dr Deepak Kachave	Assistant Professor

69	Dr. B. Damachandra Daddy	Assistant Professor
	Dr B Ramachandra Reddy	
70	Dr Jatindra Kumar Dash	Associate Professor
71	Dr Pamulapati Krishna Prasad	Associate Professor
72	Dr Sobin C C	Associate Professor
73	Dr Nitul Dutta	Associate Professor
74	Dr Ashok Kumar Pradhan	Associate Professor
75	Dr Satish Anamalamudi	Associate Professor
76	Dr Ravi Kant Kumar	Assistant Professor
77	Dr Ashu Abdul	Assistant Professor
78	Dr Tapas Kumar Mishra	Assistant Professor
79	Dr Rajiv Senapati	Assistant Professor
80	Dr Saleti Sumalatha	Assistant Professor
81	Dr Dinesh Reddy Vemula	Assistant Professor
82	Dr Sriramulu Bojjagani	Assistant Professor
83	Dr Neeraj Kumar Sharma	Assistant Professor
84	Dr Sambit Kumar Mishra	Assistant Professor
85	Dr Niladri Sett	Assistant Professor
86	Dr Ajay	Assistant Professor
87	Dr Sonam Maurya	Assistant Professor
88	Dr Kshirasagar Sahoo	Assistant Professor
89	Dr Arnab Mitra	Assistant Professor
90	Dr Md Muzakkir Hussain	Assistant Professor
91	Dr Morampudi Mahesh Kumar	Assistant Professor
92	Dr Shubham Gupta	Assistant Professor
93	Dr Hirenkumar Bharatbhai Thakkar	Assistant Professor (until 30.11.2021)
94	Dr Akash Anil	Assistant Professor (until 24.12.2021)
95	Dr Kumaran Pazhamalai	Assistant Professor (until 13.08.2021)
96	Dr Piyush Joshi	Assistant Professor (until 16.09.2021)
97	Dr Subhrendu Chattopadhyay	Assistant Professor (until 20.04.2021)
98	Dr Chinmaya Kumar Swain	Assistant Professor
99	Dr Shashidhara. R	Assistant Professor (until 23.07.2021)
100	Dr Priyanka Singh	Assistant Professor
101	Dr Debanjan Konar	Assistant Professor (until 31.12.2021)
102	Dr Asish Bera	Assistant Professor (until 31.03.2022)
103	Dr Subhankar Ghatak	Assistant Professor
104	Dr Sudheer Kumar Battula	Assistant Professor
105	Dr Sanjay Kumar	Assistant Professor
106	Dr Pandu Sowkuntla	Assistant Professor
107	Dr Amit Kumar Singh	Assistant Professor
108	Dr Kalluri Hemanth Kumar	Assistant Professor
109	Dr Mahamkali Naveen Kumar	Assistant Professor
110	Dr Anabik Pal	Assistant Professor
111	Dr Manojkumar V	Assistant Professor
112	Dr Meenakshi Choudhary	Assistant Professor

113	Dr Abinash Pujahari	Assistant Professor
114	Dr Priyanka	Assistant Professor
115	Dr Murali Krishna Enduri	Assistant Professor
116	Dr Manikandan V M	Assistant Professor
117	Dr Jaya Lakshmi Tangirala	Assistant Professor
118	Dr Amit Kumar Mandal	Assistant Professor
119	Dr Manjula	Assistant Professor
120	Dr Shuvendu Rana	Assistant Professor
121	Mr. Sanjit Kumar Roy	Visiting Faculty
122	Ms. Banee Bandana Das	Visiting Faculty

## **Electronics and Communication Engineering**

Sl. No	Name	Designation
123	Dr Ramesh Vaddi	Associate Professor & HOD
124	Prof. Siva Sankar Yellampalli	Professor of Practice & Director Admissions
125	Prof. Priya Ranjan	Professor (until 24.09.2021)
126	Dr Sujith Kalluri	Assistant Professor
127	Dr Sibendu Samanta	Assistant Professor
128	Dr Goutam Rana	Assistant Professor
129	Dr Arun Kumar	Assistant Professor (until 16.07.2021)
130	Dr Inbarasan Muniraj	Assistant Professor
131	Dr Indranil Hatai	Assistant Professor (until 13.06.2022)
132	Dr Sudhakar Tummala	Assistant Professor
133	Dr Matta Durga Prakash	Assistant Professor
134	Dr Satish Kumar Tiwari	Assistant Professor
135	Dr Monoj Kumar Singha	Assistant Professor
136	Dr Swagata Samanta	Assistant Professor
137	Dr T. Sreenivasulu	Assistant Professor
138	Dr Pradyut Kumar Sanki	Assistant Professor
139	Dr Udaya Sankar V	Assistant Professor
140	Dr V Sateeshkrishna Dhuli	Assistant Professor
141	Dr Sunil Chinnadurai	Assistant Professor
142	Dr Karthikeyan E	Assistant Professor
143	Dr Anuj Pradeep Deshpande	Assistant Professor
144	Dr Anirban Ghosh	Assistant Professor
145	Dr Om Jee Pandey	Assistant Professor (until 25.11.2021)
146	Dr KM Divya Chaturvedi	Assistant Professor
147	Dr Ramakrishnan Maharajan	Associate Professor

### **Economics**

Sl. No	Name	Designation
148	Dr Suvvari Anandarao	Assistant Professor and Faculty Coordinator
149	Dr Shrabani Mukherjee	Associate Professor (until 12.04.2021)
150	Dr Balaga Mohana Rao	Assistant Professor (until 10.11.2021)
151	Dr Hari Venkatesh	Assistant Professor (until 29.07.2022)
152	Dr Erra Kamal Sai Sadharma	Assistant Professor
153	Dr Ghanshyam Pandey	Assistant Professor
154	Dr Manzoor Hassan Malik	Assistant Professor

## **Electrical & Electronics Engineering**

Sl. No	Name	Designation
155	Dr N. Tousif Khan	Associate Professor and Faculty Coordinator
156	Prof. Sastry Venkata Vedula	Distinguished Visiting Professor (until 30.11.2021)
157	Prof. K. Koshy George	Professor (until 30.06.2022)
158	Dr Bhamidi Lokeshgupta	Assistant Professor
159	Dr Tarkeshwar	Assistant Professor
160	Dr Ramanjaneya Reddy	Assistant Professor
161	Dr Somesh Vinayak Tewari	Assistant Professor
162	Dr Shubh Lakshmi	Assistant Professor

## English

Sl. No	Name	Designation
163	Dr Supriya Daniel	Assistant Professor and Faculty Coordinator (until 29.07.2022)
164	Dr Srabani Basu	Associate Professor
165	Dr Priyank Varma G	Assistant Professor
166	Dr Nibedita Bandyopadhyay	Assistant Professor (until 10.05.2021)
167	Dr Rajni	Assistant Professor
168	Dr Ram Kulesh Thakur	Assistant Professor
169	Dr Soni Wadhwa	Assistant Professor
170	Dr Anu Kuriakose	Assistant Professor

## **Environmental Science**

Sl. No	Name	Designation
171	Dr Karthik Rajendran	Associate Professor and Faculty Coordinator
172	Dr Shoji D. Thottathil	Assistant Professor
173	Dr Lakhveer Singh	Assistant Professor (until 17.03.2021)
174	Dr Pankaj Pathak	Assistant Professor
175	Dr Javid Ahmad Dar	Assistant Professor

## History

Sl. No	Name	Designation
176	Dr Maanvender Singh	Assistant Professor and Faculty Coordinator
177	Dr Malavika Binny	Assistant Professor (until 16.02.2022)
178	Dr Megha Yadav	Assistant Professor
179	Dr Aqsa Agha	Assistant Professor
180	Dr Shaheen Kelachan Thodika	Assistant Professor

## Journalism

Sl. No	Name	Designation
181	Dr Ugen Bhutia	Assistant Professor
182	Prof. K. Nageshwar	Distinguished University Professor
183	Dr Saurabh Todariya	Assistant Professor (until 31.03.2022)
184	Dr Bikku	Assistant Professor
185	Dr Ipsita Pradhan	Assistant professor
186	Ms Hsin Yi, Huang	Mandarin chinese Instructor

### Mathematics

Sl. No	Name	Designation
187	Prof. V Kannan	Professor & HOD
188	Prof. Jesse Deutsch	Professor (until 10.12.2021)
189	Dr Rajiv Lochan Pareek	Visiting Professor
190	Prof. M S Radhakrishnan	Visiting Professor (until 30.06.2022)
191	Dr Jayasree Subramanian	Associate Professor
192	Dr Fouzul Atik	Assistant Professor
193	Dr Sayantan Mandal	Assistant Professor
194	Dr Vijayakrishna Rowthu	Assistant Professor
195	Dr Tapan Kumar Hota	Assistant Professor
196	Dr Sivaramakrishnan Chinnakali	Assistant Professor (until 26.08.2022)

197	Dr Bagannagari Madhav Reddy	Assistant Professor (until 31.07.2021)
198	Dr Firdoshi Parveen	Assistant Professor
199	Dr Ram Baran Verma	Assistant Professor
200	Dr Radhakrishnan M	Assistant Professor
201	Dr Ranjana Mehta	Assistant Professor
202	Dr Saswata Adhikari	Assistant Professor (until 30.11.2021)
203	Dr Manish Kumar Pandey	Assistant Professor
204	Dr Gaanutula Damodar Reddy	Assistant Professor
205	Dr Suratno Basu	Assistant Professor
206	Dr Shweta Srivastav	Assistant Professor
207	Dr Mohan Kumar Mallick	Assistant Professor (until 30.06.2022)
208	Dr Pallab Kanti Dey	Assistant Professor
209	Dr Sazzad Ali Biswas	Assistant Professor
210	Dr Prakash Kumar	Assistant Professor
211	Dr Sandeep Kumar Verma	Assistant Professor
212	Dr Anirban Bose	Assistant Professor

## **Mechanical Engineering**

Sl. No	Name	Designation
213	Prof. Prakash Jadhav	Professor and HOD, Head - Innovation, Design and Entrepreneurship Academy (IDEA)
214	Prof. Vinod Kumar G S	Professor
215	Prof. Poolan Vivekananda Shanmuganathan	Professor
216	Dr Venkata N Nori	Associate Professor (until 31.05.2022)
217	Dr Satya Pramod Jammy	Associate Professor
218	Dr Panchagnula Jayaprakash Sharma	Assistant Professor (until 10.06.2021)
219	Dr Lakshmi Sirisha Maganti	Assistant Professor
220	Dr Sheela Singh	Associate Professor
221	Dr Janardhan Vistapalli	Assistant Professor (until 23.10.2021)
222	Dr Sudhir Raj	Assistant Professor
223	Dr Jasvinder Singh	Assistant Professor
224	Ms. Harshada Manish Kulkarni	Visiting Faculty (until 30.06.2022)

## **Physics**

Sl. No	Name	Designation
225	Prof. Ranjit Thapa	Professor & Associate Dean - Incharge (Science Programs)
226	Dr Pranab Mandal	Assistant Professor and Faculty Coordinator
227	Dr Johannes Krischer	Associate Professor

228	Dr Goutam Kumar Dhalapati	Associate Professor (until 21.03.2022)
229	Dr Sabyasachi Mukhopadhyay	Associate Professor
230	Dr Gangi Reddy Salla	Assistant Professor
231	Dr Jatis Kumar Dash	Assistant Professor
232	Dr Laxminarayana Patro	Assistant Professor
233	Dr Mallikarjuna Rao Motapothula	Assistant Professor
234	Dr Soumyajyoti Biswas	Assistant Professor
235	Dr Siddhartha Ghosh	Assistant Professor
236	Dr Amit Chakraborty	Assistant Professor
237	Dr Supravat Dey	Assistant Professor

## Psychology

Sl. No	Name	Designation
238	Dr Ayesha Parveen	Lecturer and Faculty Coordinator
239	Dr Ninad Sudhakar Patwardhan	Assistant Professor (until 05.08.2022)
240	Dr Naseer Ahmad Bhat	Assistant Professor (until 05.12.2021)
241	Dr Aeshan Ahmad Dar	Assistant Professor
242	Dr Anurupa Kundu	Assistant Professor (until 30.06.2022)
243	Dr Salome Divya Joseph	Assistant Professor (until 30.12.2021)

## **Teaching Learning Centre**

S1. No	Name	Designation
244	Prof. Sudhindra Nath Panda	Dean, Faculty Development
245	Dr Anupama Ghattu	Associate Professor
246	Dr Balaguruprasad Narayanan	Associate Professor

## **Physical Education**

S1. No	Name	Designation
247	Dr Abdul Mohaimin	Assistant Physical Director

## Medical

S1. No	Name	Designation
248	Dr Ch. Lakshmi Rajyam	Medical Officer
249	Dr Lakshmi Kiran Talluri	Resident Medical Officer

## **Schools & Degree Programs**

The University offers its academic programs under three streams:

- 1. B.Tech., degree programs of various engineering courses and B.Sc Sciences degree program through School of Engineering and Applied Sciences (SEAS)
- 2. School of Liberal Arts and Social Sciences (SLASS) offering B.A., B.Com., and B.Sc., degree programs Economics, English, History, Journalism, Psychology, Commerce
- 3. School of Entrepreneurship and Management Studies (SEAMS) offering B.Com., B.B.A., and MBA programs–Business Studies

#### 1. School of Engineering and Applied Sciences (SEAS)

#### B.Tech., Bachelor of Technology (four years)

- Civil Engineering
- Computer Science and Engineering
- Electronics and Communications Engineering
- Electrical and Electronics Engineering
- Mechanical Engineering

#### B.Sc., Bachelor of Sciences (three years)

- Physics
- Chemistry
- Biological Sciences
- Mathematics
- Computer Sciences

#### M. Tech., Master of Technology (Two years)

#### Ph.D.

- Civil Engineering
- Computer Science and Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Mechanical Engineering
- Physics
- Chemistry
- Biological Sciences
- Mathematics
- Computer Sciences

#### 2. School of Liberal Arts and Social Sciences (SLASS)

The school offer, B.A., B.Sc., and PhD degree programs in English, History, Journalism and Psychology.

**3. School of Entrepreneurship and Management Studies (SEAMS)** offers B.B.A., B. Com., M.B.A., and Ph. D. degree programmes across five engineering departments.

# **Students**

# **Undergraduate students**

S1.	Degree	201	.7 - 18	20	18-19	20	19-20	20	)20-21	202	1 - 22	Total
No	Program	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
1	Computer Science and Engineering	103	36	428	244	350	200	548	286	1143	491	3829
2	Electronics and Communica tion Engineering	48	25	174	83	84	46	60	30	74	45	669
3	Mechanical Engineering	25	01	72	5	38	3	26	0	23	1	194
4	Civil Engineering	-	-	35	9	17	6	5	0	17	5	94
5	Electrical and Electronics Engineering	-	-	21	7	13	8	18	1	13	4	85
6	School of Liberal Arts & Basic Sciences and School of Manageme nt	-	-	37	39	38	44	-	-	-	-	158
7	B. Sc. Programs	-	-	-	-	-	-	12	6	6	11	35
8	School of Liberal Arts and Social Sciences	-	-	-	-	-	-	6	20	14	27	67
9	M.Tech	-	-	-	-	-	-	19	10	21	12	62
10	BBA	-	-	-	-	-	-	18	19	24	18	79
11	MBA	-	-	-	-	-	-	18	15	9	16	58
	Total	176	62	767	387	540	307	730	387	1344	630	5330

From 24 different Indian States



Sl. No	State	Students
1	Andhra Pradesh	4222
2	Assam	02
3	Arunachal Pradesh	01
4	Bihar	30
5	Gujarat	20
6	Jharkhand	23
7	Karnataka	20
8	Kerala	22
9	Madhya Pradesh	24
10	Maharashtra	36
11	Manipur	01
12	Meghalaya	01
13	Nagaland	01
14	New Delhi	15
15	Punjab	02
16	Rajasthan	19
17	Tamil Nadu	48
18	Telangana	554
19	Puducherry	06
20	Uttar Pradesh	91
21	Chhattisgarh	13
22	Daman & Diu	01
23	Haryana	14
24	Orissa	18
25	Himachal Pradesh	03
26	Tripura	03
27	West Bengal	31
28	Dadra and Nagar Haveli	01
	Total	5222

### **Board wise Distribution**

S1. No	Board	2017-18	2018-19	2019-20	2020-21	2021 -22	Grand Total
1	CBSE	21	125	95	98	270	339
2	State- Board	181	1,033	752	980	1667	2946
3	Foreign	36	06	2	29	37	71

### 46 Students from 11 different countries



Sl. No	Country	No. of Students
1	America	10
2	Afghanistan	04
3	Bangladesh	11
4	Cote d'Ivoire	02
5	Ghana	12
6	Micronesian	
7	Nepalese	47
8	Nigeria	04
9	Tanzania	06
10	Sudanese	09
11	UAE	
12	Mauritian	01
13	Syrian	02
	Total	108

### **State Board & CBSE Board Students**

			St	ate Boa	rd					CBSE		
Name of State	2017 - 18	2018-19	2019- 20	2020- 21	2021 -22	Total	2017- 18	2018-19	2019- 20	2020- 21	2021 - 22	Total
Arunachal Pradesh	-	-	-	-	-	-	-	-	01	-	-	1
Andhra Pradesh	137	860	660	812	1496	3965	05	57	60	41	95	258
Assam	-	-	-	-	-	-	-	-	-	-	2	2
Telangana	37	137	73	152	117	516	01	13	08	4	9	35
Maharashtra	01	12	03	2	5	23	-	03	02	1	8	14
Uttar Pradesh	-	07	01	-	7	15	01	15	05	20	35	76
Karnataka	02	06	-	2	2	12	-	02	01	-	4	7
Madhya Pradesh	-	02	-	1	1	4	05	05	-	1	8	19
Meghalaya	-	-	-	-	-	-	-	-	-	-	1	1
Manipur	-	-	-	-	-	-	-	-	-	-	1	1
Tamil Nadu	03	05	03	4	15	30	01	02	01	3	11	18
Rajasthan	-	01	-	-	3	4	01	05	01	2	7	16
Gujarat	-	-	02	2	3	7	01	05	02	2	5	15
Jharkhand	-	-	01	-	-	1	03	04	02	1	12	22
Orissa	-	-	01	1	-	2	-	04	01	8	3	16
Haryana	-	-	-	-	-	-	-	03	01	1	9	14
Chhattisgarh	-	01	02	-	-	3	-	02	02	1	5	10
Puducherry	-	02	01	1	2	6	-	-	-	-	-	-
New Delhi	-	-	-	-	-	-	01	01	02	1	10	15
Punjab	-	-	01	-	-	1	-	-	-	-	1	1
Nagaland	-	-	-		-	-	-	-	01	-	-	1
Himachal Pradesh	-	-	-	-	1	1	-	01	-	-	1	2
Bihar	01	-	01	1	5	8	01	01	-	5	15	22
Daman And Diu	-	01	-		-	1	-	-	-		-	-
Kerala	-	-	01	-	5	6	02	01	-	5	8	16
Tripura	-	-	-	-	-	-	01	-	-	-	2	3
West Bengal	-	-	02	1	5	8	01	-	03	1	18	23
Dadra & Nagar Haveli	-	-	-	1	-	1	-			1	-	1
Total	181	1,034	752	980	1667	4613	24	124	93	98	270	609

### PhD students Year Wise

Sl. No	Subject	<b>20</b> 2	18-19	201	19-20	2020	0-2021	202	1 - 22	Total
	,	Male	Female	Male	Female	Male	Female	Male	Female	
1	Biology	0	1	2	3	2	2	0	2	12
2	Management	-	-	1	0	2	2	2	1	8
3	Chemistry	1	2	3	1	1	1	5	6	20
4	Computer Science Engineering	1	3	1	0	4	6	2	13	30
5	Electronics and Communication Engineering	2	1	5	3	11	3	5	7	37
6	Economics	1	0	0	0	0	0			1
7	Environmental Sciences	ı	ı	1	1	3	1	1	2	9
8	History	0	0	0	0	0	0			0
9	Mechanical Engineering	3	1			6	1	1	1	13
10	Physics	5	4	7	2	3	3	10	5	39
11	Mathematics			2	0	3	3	2	4	14
12	Civil Engineering	ı	1	ı	-	3	1	2	0	6
13	Psychology	-	-	,	-	2	1	3	0	6
14	Electrical Electronic Engineering	1	1	1	1	1	3	1	4	9
15	English	-	-	-	-	-	3	0	3	6
16	Commerce	-	-	-	-	-	1	1	1	3
Tota	1	13	12	22	10	41	31	35	49	213
Gran	nd Total		<b>2</b> 5		32		72		84	215

## **Academic Departments**

### Department of Computer Science and Engineering (CSE)

The department offers B.Tech, M.Tech and Ph.D. degree programmes. The curriculum of these programmes covers the topics related to computer hardware and software. Active learning and flipped classes are the techniques followed by the faculty to improve the quality of learning of the students. Technology enabled platforms are also used by the department to teach the courses through online. The department provides excellent state of the art laboratory facilities to the students in order to impart quality practical training. The department provides specialization streams such as (i) Big Data Analytics (ii) Artificial Intelligence and Machine Learning (iii) Cyber Security (iv) Distributed and Cloud Computing (v) Internet of Things (IoT) for the students. Faculty and students of the department are actively engaged in research activities in the specialization streams mentioned above. Students are also given opportunities to get international exposure through semester abroad programmes. Students take up internships in the industries and institutes of eminence to get quality practical exposure. Overall, the department provides high quality research-oriented education to the students in order to mould them to succeed in the modern technological world.

Program name	Specialization	Number of semester & Years of study	Credits required
B. Tech	Computer Science and Engineering	8 semesters (4 Years)	160
M. Tech	Artificial Intelligence and Machine Learning	4 Semester (2 Years)	71
Ph. D.	All emerging fields in Computer Science		12

# Department of Electronics and Communication Engineering (ECE)

IoT, 5G/6G, Artificial Intelligence/Machine learning, Robotics, and Integrated Circuit Design in advanced CMOS technology nodes are some of the key Digital technological innovations we hear day to day. It is predicted that industry 4.0 will be dominated by most of these technologies. To excel in these technologies, knowledge of both hardware and software/algorithms is very much necessary. The engineering field which helps you master both the hardware and software domains in an optimal manner is Electronics and Communication Engineering. On close observation of these technologies, you will be surprised to note that Electronics and Communication Engineering is the main driving force behind these new Digital technologies & innovations.

Here at the Electronics and Communication Department at SRM University-*AP*, Andhra Pradesh, we teach students various fundamental and advanced aspects of theory, modelling, design, and analysis of devices, circuits and systems used for efficient processing and communication of various forms of real-life signals. Mastering these engineering subdomains will make students ready not only for industry 4.0 but for newer technology innovations that might follow. Our aim is to teach students how to learn and implement technology for the betterment of society so that in their careers, they can evolve in an all-round manner raising to the changing industry/research community demands.

Program name	Specialization	Number of semester & Years of study	Credits required
BTech	VLSI Design & Embedded Systems     Advanced Communication Systems     Signal Processing with AI	8 semesters (4 Years)	160
MTech	1 Embedded Systems & IoT 2) VLSI	4 Semester (2 Years)	74 74
Ph. D.	Analog and Digital VLSI, Hardware Security, Signal processing, Image processing, Mobile communications, RF ICs and Antenna Design, Integrated Optics and Photonics for Communication and Sensing applications, AI/ML, IoT, Biomedical/Health care		12

### Department of Electrical and Electronics Engineering (EEE)

The Electrical and Electronics Engineering program at SRM offers students an opportunity to gain mastery over the discipline through a hands-on approach to the design and engineering of hardware, software, and embedded systems. Our undergraduate program provides the student with a rigorous and balanced foundation in physics, mathematics and computing; core courses in electronics, information systems and digital systems; and the development of skills in the analysis and design of systems. Students are exposed to a wide range of applications and the challenges involved. Our curriculum prepares the student for the workplace or further study by gaining mastery of the concepts through projects and assignments, experience in real-world applications and practices through industry internships, and exposure to ongoing research problems and the methodology of research and innovation through the Undergraduate Research Opportunities Program (UROP).

Program name	Specialization	Number of semester & Years of study	Credits required
BTech	Electrical and Electronics Engineering	8 semesters (4 Years)	162
Ph. D	<ul> <li>Control Systems</li> <li>High Voltage Engineering</li> <li>Electrical Machines and Drives</li> <li>Power Electronics</li> <li>Power Systems</li> <li>Smart Grid Technologies</li> </ul>		12

### Department of Mechanical Engineering (ME)

Mechanical Engineers don't rely on miracles, they make them happen. Airplanes to energy efficient cars to focusing on new resources to meet the demands of our times, they are at the forefront of innovations. The Department of Mechanical Engineering introduces students to various areas of the field including kinematics, thermodynamics, manufacturing, solid mechanics, materials, heat transfer, fluid mechanics, and dynamics control.

Program name	Specialization	Number of semester & Years of study	Credits required
B. Tech	Mechanical Engineering	8 semesters (4 Years)	160
M. Tech	Materials and Manufacturing	4 Semester (2 Years)	60
Ph. D	Composite Materials, Material sciences, Computational Fluid Mechanics, Thermal sciences		

### **Department of Biological Sciences (BIO)**

The department of biological sciences is offering bachelor's degree program (B.Sc., (Hons) Integrative Biology) and research program leading to doctoral degree (PhD). The undergraduate students also choose chemistry and computer sciences as allied/ancillary subjects in addition to foundation courses. The department faculty members are engaged in cutting edge research problems and carryout funded projects (DBT, DBT-Welcome Trust, DST, DST-SERB) are ongoing with a total outlay of 5 Crores.

Our Bachelor of Science degree provides a strong foundation in biological topics needed to establish a career in biology related industries, health care, testing laboratories and further research on frontiers area of biology.

Program name	Specialization	Number of semester & Years of study	Credits required
B. Sc	Integrative Biology	6 Semester (3 Years)	140
Ph. D	Biochemistry, microbiology, genetics, nanobiotechnology, algal biochemistry		

### Department of Management (SEAMS)

The School of Entrepreneurship and Management Studies (SEAMS) offers high-quality education, research, and consulting in the field of management, including Marketing, Finance, Human Resource Management, and Data Science. The department offers BBA (Hon), MBA and PhD courses. The students of the department pursue higher studies, they also choose corporate jobs, entrepreneurship, and family business.

Program name	Specialization	Number of semester & Years of study	Credits required
BBA (Hon)	Marketing, HR, Finance	6 semesters (3 Years)	140
MBA	Marketing, HR, Finance, Data Science	4 Semester (2 Years)	105
PhD	Marketing, Integrated Reporting, HR Analytics, Human Resource Management, Fintech		12

### **Department of Economics (ECO)**

Economics is a behavioral science that focuses on how people allocate and distribute the limited resources at their disposal. It addresses a wide range of topics related to how economies interact and affect global dynamics.

The department currently provides undergraduates with a solid foundation in cuttingedge fields like finance, quantitative methods, development studies, agriculture, and environmental studies. The mission of the department is to develop internationally minded individuals capable of solving difficult problems that affect business, society, the country, and the entire world.

The Department of Economics is committed to developing students who can handle difficult issues in business, society, the nation, and the world with pragmatism and a multidimensional perspective. The department strives to provide foundational, pertinent, and application-focused education to nourish and nurture young minds.

Students are prepared with an applied understanding of economics to improve their employability and entrepreneurial abilities by taking courses in statistical methods, econometrics, and financial economics. These courses are introduced with statistical tools like R-studio & Python. Additionally, the students will learn about Indian economic issues, databases, and policy considerations.

Program name	Specialization	Number of semester & Years of study	Credits required	
BSc	Economics	06 semesters (03 Years)	120	
BSc (Hons)	Economics	06 semesters (03 Years)	140	
PhD	Economics		12	

### Department of Chemistry (CHE)

The Department of Chemistry at SRM University-AP is committed to generating academic and scientific temper among the students by imparting higher education with multifaceted aspects and promoting undergraduate research. Our graduates will be recognised for their academic preparation and critical thinking, which are paramount in today's scientific arenas. The Department of Chemistry at SRM – AP provides various education and training levels for students in all Sciences and Engineering programs and trains future generations of chemists at the Major, Honours, doctoral, and postdoctoral levels. At present, the Dept. is offering BSc Chemistry (Hons.) and will be initiating the MSc specialising in Organic and Analytical Chemistry.

Program name	Specialization	Number of semester & Years of study	Credits required
B. Sc	Chemistry	6 Semester (3 Years)	140
Ph. D	Computational Chemistry, Organic synthesis, Solid state electrochemistry, Heterogeneous catalysis, Nanoscale materials for theranostic, and thermoelectric applications		12

### Department of Commerce (COM)

Commerce as a field of study has had its prominence since the 19th century itself. The course got its name and fame after virtual Governments throughout the world started developing their economies through rapid industrialization, fostering trade and commerce. With respect to India, after the 1991 Economic Reforms, many growth prospects emerged for commerce students. Now commerce students have opportunities in many fields like accounting, finance, taxation, stock broking, banking, insurance, investment management, foreign trade, logistics, marketing, human resources, information technology, data analytics, tourism, sports and many more.

The Department of Commerce is taking its path under the School of Liberal Arts and Social Sciences (SLASS) by offering various courses to the students at the University. Currently, the Department offers BCom (Hons), BCom (International Accounting) and PhD.

Program name	Specialization	Number of semester & Years of study	Credits required
B. Com (Hons)	Finance, HR & Marketing	8 semesters (4 Years)	160
B.Com (Internatio nal Accountin g)	Finance & HR	8 Semester (4 Years)	160
Ph. D	Commerce	3 Years	12

### Department of Journalism (JON)

The Major in the department of Journalism promotes questioning, seeking, discovery, analysis, and understanding of a wide variety of academic disciplines. Students can pursue an Undergraduate course in Liberal Arts. Tomorrow's Journalists will learn how to be excellent communicators in writing, speaking and research. They will know how to analyze news, historical events, international relations, science and the mass media in its many pervasive journalistic forms – research reports, journals, newspapers, television, film, radio, internet, social media, cyber-culture and various new media forms. Virtual People, Media Psychology and Advanced Topics in Human Virtual Representation are a few interesting options of minors to choose from.

Program name	Specialization	Number of semester & Years of study	Credits required	
В. А	Journalism	6 semesters (3 Years)	120	
Ph. D	Journalism	3 Years	12	

### Department of Mathematics (MATH)

In July 2017, the Department of Mathematics under the School of Engineering and Sciences at SRM University AP commenced operations. The Department's research and educational objectives are to address the responsibilities associated with: (a) providing broad and excellent training that incorporates the main ideas in mathematics; and (b) working toward the

advancement of students as mathematical thinkers, thereby enabling them to become critical thinkers, continue to advance in their chosen professions, and function as productive citizens. As one of the founding departments of SRM University-AP, we have committed academic members of world-class calibre with competence throughout the gamut of mathematical sciences. In addition, the faculty members have extensive research expertise and international exposure from prestigious universities worldwide.

The faculty members are actively involved in a wide variety of areas of mathematical research, both pure and applied, including, but not limited to, the following: numerical solutions of partial differential equations (PDE) and integral equations; stability and optimal control theory; hydrodynamic instabilities; spectral graph theory; operator theory; fuzzy set theory and inference mechanism; diffusion MRI processing; geometry of numbers and algebraic number fields (computational); discrete dynamical systems, operator theory, to name a few.

Currently, the Mathematics department provides a three-year BSc. and PhD. programme. In addition, we provide Calculus with applications, Differential Equation, Linear Algebra, Statistics & Probability, many other open& minor courses to B.Tech. and Liberal Arts students at the undergraduate level. The Department of Mathematics and SRM University AP is dedicated to offering state-of-the-art technical education in several sectors and to enabling the transfer of information in accordance with the most recent pedagogical innovations. The primary characteristics of the Department of Mathematics include:

There are 23 faculty members with expertise in almost all branches of Mathematics.

The department's significant emphasis is on multidisciplinary study. At SRM AP, several departments and institutes have worked with one another's faculty. This is both very significant and tremendously exciting. The best mathematicians make use of these relationships since mathematics is a topic that is intricately linked.

The Department hosts a weekly seminar as well as a distinguished lecture series. While the former offers our in-house faculty members to know each other's' work, the latter provides an opportunity to learn the active research areas from eminent researchers across the globe., Further, both the programme equips students with a range of mathematical skills in problem-solving, project work, and presentation, preparing them to take on roles in a variety of situations in employment and research.

In the year 2021-22, the Department contributed nine research articles and two book chapters, and four research articles have been communicated.

To substantiate the teaching with the research, currently, the Department has 13 research scholars.

We expect to have a few more externally funded projects and more PhD students and expand our intra- and inter-discipline collaboration in the near future.

Program name	Specialization	Number of semester & Years of study	Credits required
B. Sc.	Mathematics	6 semesters (3 Years)	120
Ph. D	Matrix Graph Theory, Computational Number Theory, Topological Dynamics, Partial Differential Equations, Algebra, Functional Analysis, Hydrodynamic Stability, Operator theory, Machine learning.	3 years	12

### **Department of Physics (PHY)**

Physics is the most fundamental science that deals with the properties and interactions of matter and radiation. Understanding the world around us, including the modern technological advancements, is based on centuries of developments in physics. As such, physics provides the basis for all applied sciences and technologies.

Currently the Department of Physics at SRM University-AP, Andhra Pradesh offers the Bachelor of Science Honours (B.Sc. Physics (H)) and Ph.D. graduate program in physics. The B.Sc. Physics (H) program gives the students a solid foundation in skills like problem-solving, observation skills, numerical aptitude, practical thinking, and reasoning ability. The B.Sc.(H) in Physics with minor in another program can lead to a variety of careers, which the students can choose after the completion of the program. The department also encourages research opportunities for undergraduate students, as well as graduate students, in several areas of experimental and computational/theoretical physics.

The department faculty members are engaged in cutting edge research problems. The faculty members have published 152 research articles with an average impact factor of 6.1. Eight patents have been published and 14 govt. funded projects (DST, SERB, BRNS, UGC-DAE, NSM) are ongoing with a total outlay of 4.19 Crores.

Program name	Specialization Number of semester & Years of study		Credits required
B. Sc	Physics	6 Semester (3 Years)	140
Ph. D	Theoretical Physics (Computational materials Science/ Statistical Physics/ High energy Physics), Experimental Physics (Condensed matter/ Materials Science/ Photonics)		12

### Department of Environmental Science (EVS)

Considering the importance of the Environment to protect our mother earth, the Department of Environmental Science has been started at SRM University-AP. This department provides education about environmental issues in regional and global contexts. Currently, the ongoing courses include a common course across the university (Introduction to environmental science) and the PhD programme. In conjunction with real-life environmental problem-solving and field and laboratory experience, the Department of Environmental Science offers excellent teaching and research opportunities for its students. The unique curriculum will enable students to find various job opportunities in industries and consultancies or to pursue further research with premier institutes/universities in India and foreign countries. A diverse range of academic specialisations is represented in the Department by the professors. The faculty members of this department have completed their PhD and post-doctoral research with premier Indian institutes (IIT, IISc) and research organisations and universities abroad (Sweden, Japan, Canada, USA, Malaysia) and continue to have ongoing research collaborations with these institutes. The nexus between teaching and non-teaching staff, as well as the students, have made it possible to establish a successful department, and this effort will make the department a significant contributor to environmental science research in the future.

Programme name	Specialization	Number of semester & Years of study	Credits required
PhD	Environmental Science	Minimum 3 years	12

### **Department of History** (HIS)

Department of History at SRM University-AP, Andhra Pradesh, aims to equip students to learn from history rather than merely learning history. The courses are designed to equip students with the knowledge of historical processes, events, and transformations in the world and Indian History from the Stone Age to the contemporary world. By putting forth the various arguments/positions on the nature of the discipline, the program is designed to ensure that the students gather and are equipped to answer the question as to what history is; the perspective that there are many histories of the same event will drive the entire program and thus dispel the notion that history is just a narrative of dates and personalities. The Department of History at SRM AP functions on the premise of 'History with a Purpose' and follows a two-pronged policy of making students to be job ready as well as equipping them with the skills required for higher studies Our curriculum is designed to create more focus on writing, research, fieldwork, and internship with courses like Introduction to Academic Writing, Participatory Research, and Archive and Museum.

Program name	Specialization	Number of semester & Years of study	Credits required
В. А.	History	6 semesters (3 Years	140
Ph. D	History  Areas of Specialization: Modern Indian History, Histories of Science and Technology, Caste and Society, Gender Studies, Dalit Studies, Constitutional History, Histories of Medicine	8 semesters	12

## **Academic activities**

### **Publications**

S1. No	Authors	Title	Journal	Year	DOI	Impact Factor
1.	Chandreswar Mahata, Mullapudi V.Jyothirmai, Mahesh KumarRavva, Sabyasachi Chakrabortty, Sungjun Kim, Sajal Biring, Seeram Ramakrishna, Goutam Kumar Dalapati	Electronic structure and origin of intrinsic defects in sputtered HfTiO2 alloy dielectric on GaAs surface	Journal of Alloys and Compounds	2022	https://doi. org/10.1016 /j.jallcom.20 22.164817	6.37
2.	Ashwini Nawade; Imran Pancha; and Sabyasachi Mukhopadhyay	Electron Transport across Phycobiliproteins Films and its' Optoelectronic Properties	ECS Journal of Solid-State Science and Technology	2022	10.1149/216 2- 8777/ac627f	2.48
3.	Agasthiyaraj Lakshmanan, Deepak S. Gavali, K.S. Venkataprasanna, Ranjit Thapa, Debabrata Sarkar	Low Basis Weight Polyacrylonitrile/Polyvinyl pyrrolidone Blended Nanofiber Membranes for Efficient Particulate Matter Capture	ACS Applied Polymer Materials	2022	https://doi. org/10.1021 /acsapm.2c0 0422	4.85
4.	Prabhakaran and Karthink Rajendran	Dynamic Simulation and Optimization of Anaerobic Digestion Processes using MATLAB	Bioresource Technology	2022	https://doi. org/10.1016 /j.biortech.2 022.126970	11.88
5.	Rajiv Senapati	A Novel Classification- based Parallel Frequent Pattern Discovery Model for Decision making and Strategic planning in Retailing	International Journal of Business Intelligence and Data Mining	2022	10.1504/IJBI DM.2023.100 46447	0.80
6.	Lucy Dash,Binod Kumar Pattanayak ,Sambit Kumar Mishra ,Kshira Sagar Sahoo,Noor Zaman Jhanjhi ,Mohammed Baz and Mehedi Masud	A Data Aggregation Approach Exploiting Spatial and Temporal Correlation among Sensor Data in Wireless Sensor Networks	Electronics	2022	https://doi. org/10.3390 /electronics 11070989	2.40
7.	Jasvinder Singh,Pulak Mohan Pandey,Tejinder Kaur,Neetu Singh	Effect of heparin drug loading on biodegradable polycaprolactone-iron pentacarbonyl powder blend stents fabricated by solvent cast 3D printing	Rapid prototyping journal	2022	https://doi. org/10.1108 /RPJ-02- 2021-0043	4.04
8.	MayankSrivastava,JasvinderSing h,Dipesh KumarMishra,Ravinder PalSingh	Review on the various strategies adopted for the polishing of silicon wafer - a chemical perspective	Material today: proceedings	2022	https://doi. org/10.1016 /j.matpr.202 2.02.300	1.30
9.	M. Durga Prakash, Shaik Lathifa Nihal, Shaik Ahmadsaidulu, Raghunandan Swain & Asisa Kumar Panigrahy.	Design and Modelling of Highly Sensitive Glucose Biosensor for Lab-on-chip Applications	Silicon	2022	https://doi. org/10.1007 /s12633-021- 01543-0	2.94

10.	Sutharsan Govindarajan , Adair Borges , Shweta Karambelkar , Joseph Bondy-Denomy	Distinct subcellular localization of a Type I CRISPR complex and the Cas3 nuclease in bacteria	Journal of Bacteriology	2022	10.1128/jb.0 0105-22	3.47
11.	Yu-Dong Zhang , V. M. Manikandan	An Adaptive Pixel Mapping based Approach for Reversible Data Hiding in Encrypted Images	Signal Processing: Image Communicatio n	2022	https://doi. org/10.1016 /j.image.202 2.116690	3.25
12.	Santosh KumarSahu, Durga PrasadMohapatra, Jitendra KumarRout, Kshira SagarSahoo, Quoc- VietPham, Nhu-Ngoc Dao	A LSTM-FCNN based multi-class intrusion detection using scalable framework	Computers and Electrical Engineering	2022	https://doi. org/10.1016 /j.compelece ng.2022.1077 20	3.82
13.	Lakshmi Kuruguntla, Vineela Chandra Dodda, Anup Kumar Mandpura, Karthikeyan Elumalai	Erratic noise attenuation using double sparse dictionary learning method	IEEE Transaction on geoscience and remote sensing	2022	10.1109/TG RS.2022.3164 460	5.60
14.	Ghanshyam Pandey, Sheeba Moghal, Rakshit Barodia and William Carey	COVID-19 and its effects on the mental health of people living in urban slums in India	Journal of Information and Knowledge Management	2022	https://doi. org/10.1142 /S021964922 2400032	1.30
15.	Lakhveer Singh , Rajesh Kumar	Ti3C2 MXene-As Electrocatalyst for Designing Robust Glucose Biosensors	Advanced Materials Technologies	2022	https://doi. org/10.1002 /admt.20220 0151	8.85
16.	Shwetha Kolathur Ramachandra, Doddahalli Hanumantharayudu Nagaraju, Shivanna Marappa, Samadhan Kapseb and Ranjit Thapab	Highly Efficient Catalysts of Ruthenium Clusters on Fe3O4/MWCNTs for Hydrogen Evolution Reaction	New Journal of Chemistry	2022	DOI https://doi. org/10.1039 /D2NJ00887 D	3.92
17.	Aparna Chowadary	Impact of Relational Bonding on Environmental Efficiency and Firm's Sustainable Competitiveness	Indian Journal of Economics and Development	2022	10.35716/IJE D/21251	0.00
18.	Abhinandan Patra, Samadhan Kapse,Ranjit Thapa,Dattatray Late,Chandra Sekhar Rout	Supercapacitor electrodes based on quasi-one- dimensional van der Waals TiS3 nanosheets: experimental findings and theoretical validation	Applied Physics Letters	2022	10.1063/5.00 80346	3.97
19.	S. S. Manna, Soumyajyoti Biswas and B. K. Chakrabarti	Near universal values of social inequality indices in self-organized critical models	Physica A: Statistical Mechanics and its Applications	2022	10.1016/j.ph ysa.2022.127 121	3.26
20.	Denslin Brabin, Christo Ananth & Sriramulu Bojjagani	Blockchain-Based Security Framework for Sharing Digital Images using Reversible Data Hiding and Encryption	Multimedia Tools and Applications	2022	https://doi. org/10.1007 /s11042-022- 12617-5	2.57

21.	Jogeswar Tripathy ,Rasmita Dash ,Binod Kumar Pattanayak ,Sambit Kumar Mishra ,Tapas Kumar Mishra,Deepak Puthal	Combination of Reduction Detection using TOPSIS for Gene Expression Data Analysis	Big Data and Cognitive Computing	2022	https://doi. org/10.3390 /bdcc601002	4.20
22.	LeninbabuDhandrapati,Sreeniva suluTupakula	A Novel 8-Channel DWDM demultiplexer on Silicon Photonic Crystal slab: Design and Analysis	Optik	2022	https://doi. org/10.1016 /j.ijleo.2022. 168734	2.84
23.	Vimal Babu, Amresh kumar,vipin kumar	Exploring mindfulness and leadership development: Lessons learnt using grounded theory through the study of the performing arts	FIIB Business Review	2022	https://doi. org/10.1177 /2319714522 1088643	0.00
24.	Prakash Jadav	Abradable Coatings: Design Through Microstructure Based Models	Material Today Proceedings	2022	https://doi. org/10.1016 /j.matpr.202 2.02.021	1.80
25.	Nitin KumarAgarwal,MadanKumar,Po ojaGhosh,Smita S.Kumar,LakhveerSingh,Virendr a KumarVijay,VivekKumar	Anaerobic digestion of sugarcane bagasse for biogas production and digestate valorization	Chemosphere	2022	https://doi. org/10.1016 /j.chemosph ere.2022.133 893	8.94
26.	V. G. Vasavi Dutt, Syed Akhil, Rahul Singh, Manoj Palabathuni, and Nimai Mishra*	High-Quality CsPbX3 (X= Cl, Br, or I) Perovskite Nanocrystals Using Ascorbic Acid Post- Treatment: Implications for Light-Emitting Applications	ACS Applied Nano Materials	2022	https://doi. org/10.1021 /acsanm.1c0 4312	6.14
27.	M.S.S.R.Tejaswini,PankajPathak, SeeramRamkrishna,P. SankarGanesh	A comprehensive review on Integrative Approach for Sustainable Management of Plastic Waste and its associated Externalities	Science of the Total Environment	2022	https://doi. org/10.1016 /j.scitotenv. 2022.153973	10.75
28.	Subrata Karmakar, Bidisha Mukherjee, Alka B. Garg, Deepak S. Gavali, Ranjit Thapa, Saheli Banerjee, Goutam Dev Mukherjee, Ariful Haque, and Dhrubananda Behera	Structural Metamorphosis and Bands Dislocation of Trirutile NiTa2O6 under Compression	Journal of Physical Chem istry C	2022	https://doi. org/10.1021 /acs.jpcc.1c1 0896	4.13
29.	Anitha Rani Inturi, V. M. Manikandan & Vignesh Garrapally	A Novel Vision-Based Fall Detection Scheme using Keypoints of Human- Skeleton with Long Short- term Memory Network	Arabian Journal for Science and Engineering	2022	https://doi. org/10.1007 /s13369-022- 06684-x	2.80

30.	Jayaseelan Murugaiyan,P. Anand Kumar,G. Srinivasa Rao,Katia Iskandar,Stephen Hawser ,John P. Hays,Yara Mohsen ,Saranya Adukkadukkam ,Wireko Andrew Awuah ,Ruiz Alvarez Maria Jose ,Nanono Sylvia ,Esther Patience Nansubuga,Bruno Tilocca ,Paola Roncada ,Natalia Roson-Calro ,Javier Moreno-Morales ,Rohul Amin ,Ballamoole Krishna Kumar,Abishek Kumar ,Abdul-Rahman Toufik,Maarten B. M. van Dongen	Progress in Alternative Strategies to Combat Antimicrobial Resistance: Focus on Antibiotics	Antibiotics	2022	https://doi. org/10.3390 /antibiotics1 1020200	3.42
31.	Giuseppe Toscani, Parongama Sen and Soumyajyoti Biswas	Kinetic exchange models of societies and economies	Philosophical Transactions A	2022	https://doi. org/10.1098 /rsta.2021.01 70	4.23
32.	Divya Chaturvedi, Ayman A. Althuwayb & Arvind Kumar	Bandwidth Enhancement of a Planar SIW Cavity-Backed Slot Antenna using Slot and Metallic-Shorting Via	Applied Physics A	2022	https://doi. org/10.1007 /s00339-022- 05309-2	2.93
33.	Divya Chaturvedi, Ayman A. Althuwayb	A Triple-Band Dual-Fed Frequency-Flexible SIW Cavity-Backed Slot Antenna	International Journal of RF and Microwave Wireless Technologies	2022	https://doi. org/10.1017 /S175907872 2000241	2.58
34.	Katia Iskandar , Jayaseelan Murugaiyan, Dalal Hammoudi Halat, Said El Hage, Vindana Chibabhai, Saranya Adukkadukkam, Christine Roques , Laurent Molinier, Pascale Salameh , Maarten Van Dongen	Antibiotic Discovery and Resistance: The Chase and the Race	Antibiotics	2022	https://doi. org/10.3390 /antibiotics1 1020182	3.42
35.	Mulagala Sandhya, Mahesh Kumar Morampudi, Indragante Pruthweraaj & Pranay Sai Garepally	Multi Instance Cancelable Iris Authentication using Triplet loss for Deep Learning models	Visual Computer	2022	https://doi. org/10.1007 /s00371-022- 02429-x	2.83
36.	Satya Prakash Sahu, B. Ramachandra Reddy, Dev Mukherjee, D. M. Shyamla, and Bhim Singh Verma	A hybrid approach to software fault prediction using genetic programming and ensemble learning methods	International Journal of System Assurance Engineering and Management	2022	10.1007/s131 98-021- 01532-x	0.52
37.	Jagniyant Lunagariya, Karan Chabhadiya, Pankaj Pathak, Deepak Mashru	Application of Taguchi method in activated carbon adsorption process of phenol removal from ceramic gasifier wastewater	Environmental Challenges	2022	https://doi. org/10.1016 /j.envc.2022. 100450	2.88

38.	K.Rudharachari Maiyelvaganan, Muthuramalingam Prakash, Mahesh Kumar Ravva	Simultaneous Interaction of Graphene Nanoflakes with Cations and Anions: A Cooperativity Study	Computational and Theoretical Chemistry	2022	https://doi. org/10.1016 /j.comptc.20 22.113601	2.29
39.	Kumar Babu Busi, Writoban Basu Ball, Sabyasachi Chakrabortty	The Multifarious Applications of Copper Nanoclusters in Biosensing and Bioimaging and Their Translational Role in Early Disease Detection	Nanomaterials	2022	https://doi. org/10.3390 /nano12030 301	5.71
40.	Rajapandiyan Panneerselvam, Detlev Belder, Hemanth Noothalapati, Anish Das, Eva- Maria Hohn, and Hasan Sadat	Microfluidics and surface- enhanced Raman spectroscopy, a win-win combination?	Lab on a Chip	2022	https://doi. org/10.1039 /D1LC01097 B	7.51
41.	Shaiju Panchikkil, V. M. Manikandan & Yu-Dong Zhang	A Pseudo-random Pixel Mapping with Weighted Mesh Graph Approach for Reversible Data Hiding in Encrypted Image	Multimedia Tools and Applications	2022	https://doi. org/10.1007 /s11042-022- 12350-z	2.57
42.	Kshira Sagar Sahoo,Hrudaya Kumar Tripathy, Sushruta Mishra, Shubham Suman, Anand Nayyar	Smart COVID-shield: An IoT Driven Reliable and Automated Prototype for COVID-19 Symptoms Tracking	Computing Journal	2022	https://doi. org/10.1007 /s00607-021- 01039-0	2.22
43.	Nishant Kumar,Pratibha Garg&Shailender Singh	Pro Environmental Purchase Intention Towards Eco-friendly Apparel: Extension of the theory of planned behavior model	Journal of Global Fashion Marketing	2022	https://doi. org/10.1080 /20932685.2 021.2016062	0.72
44.	Shailender Singh , Muhammad Muazu Bala , Nishant Kumar	The Dynamics of Public and Private Health Expenditure on Health Outcome in Southeast Asia	Health and Social Care in the Community	2022	10.1111/hsc. 13698	2.82
45.	Priyanka Singh, K. Jyothsna Devi, Hiren Kumar Thakkar; Ketan Kotecha	Region-based Hybrid Medical Image Watermarking Scheme for Robust and Secured Transmission in IoMT	IEEE Access journal	2022	10.1109/AC CESS.2022.3 143801	3.47
46.	Nitul Dutta,Shobhit K Patel,Osama S. Faragallah,Mohammed Baz,Ahmed Nabih Zaki Rashed	Caching Scheme for Information Centric Networks with Balanced Content Distribution	International Journal of Communicatio n Systems	2022	10.1002/dac. 5104	1.88
47.	Sriramulu Bojjagani,Denslin Brabin	Early DDoS Detection and Prevention with Traced- Back Blocking in SDN Environment	Automation & Soft Computing	2022	10.32604/ias c.2022.02377	1.65
48.	Nitul Dutta, Sudeep Tanwar, Shobhit K. Patel, Gheorghita Ghinea	An SVM guided Interest packet forwarding strategy for Information Centric Networks	Applied Artificial Intelligence	2022	10.1080/088 39514.2021.2 020488	2.77

49.	Nitul Dutta	An approach for FIB construction and Interest packet forwarding in information centric networks	Future Generation Computer Systems	2022	https://doi. org/10.1016 /j.future.202 2.01.005	7.30
50.	Sree Rama Murthy Kandala (B.Tech), Bhavana Siddineni (B.Tech), Aashritha Kondaveeti (B.Tech), Vijay Kashyap Kompella (B.Tech), Hemanth Boddupalli (B.Tech), and V M Manikandan	An Efficient Drowsiness Detection Scheme using Video Analysis.	International Journal of Computing and Digital Systems	2021	10.12785/ijc ds/110146	0.00
51.	Patwary M.A.K., Garg S., Battula S.K., Kang B.H.	Scalable Real-time Dynamic Graph Partitioner	IEEE Transactions on Services Computing	2021	10.1109/TSC .2021.313793 2	11.01
52.	Gopa Nandikes,Shaik Gouse Peera ,Lakhveer Singh	Perovskite-Based Nanocomposite Electrocatalysts: An alternative to Platinum ORR Catalyst in Microbial Fuel Cell Cathodes	Energies	2021	https://doi. org/10.3390 /en15010272	3.25
53.	Yaping Yu, Danlei Zhu, Xiuyuan Zhu, Mahesh Kumar Ravva, Jiayao Duan, Lang Jiang, Zhengke Lia and Wan Yue	A Novel Class of Rigid-rod Perylene Diimides and Isoindigo Semiconducting Polymers	Polymer Chemistry	2021	https://doi. org/10.1039 /D1PY01362 A	5.36
54.	Alicia María Manjón-Sanz, T. Wesley Surta, Pranab Mandal, Alex J. Corkett, Hongjun Niu, Eiji Nishibori, Masaki Takata, John Bleddyn Claridge, and Matthew J. Rosseinsky	Complex Structural Disorder in a Polar Orthorhombic Perovskite Observed through the Maximum Entropy Method/Rietveld Technique	Chemistry of Materials	2021	https://doi. org/10.1021 /acs.chemm ater.1c01979	10.50
55.	Sudha Vani Yamani, N. Usha Rani,Ramesh Vaddi	Design and Performance Benchmarking of Hybrid Tunnel FET/STT-MTJ based Logic In-Memory Designs for Energy Efficiency	IEEE Transactions on Magnetics	2021	10.1109/TM AG.2022.314 1873	1.84
56.	Hari Prasanth ,Mahesh JadhaV,E. Meher Abhinav,Jaivardhan Sinha &Sheela Singh	ENHANCED MAGNETIZATION WITH INCREASED CHROMIUM CONCENTRATION IN FeCoCrxNi2Al HIGH- ENTROPY ALLOY	Materials Science and Technology	2021	https://doi. org/10.1080 /02670836.2 021.2021499	2.06
57.	Jadhav M., Singh S., Srivastava M., Chethan, Chakradhar R.P.S., Panigrahi B.B.	Effect of minute element addition on the oxidation resistance of FeCoCrNiAl and FeCoCrNi2Al high entropy alloy	ADVANCED POWDER TECHNOLOG Y	2021	10.1016/j.apt .2021.103410	4.96
58.	Nitul Dutta,Sudeep Tanwar,Shobhit K. Patel &Gheorghita Ghinea	An SVM guided Interest packet forwarding strategy for Information Centric Networks	Applied Artificial Intelligence journal	2021	https://doi. org/10.1080 /08839514.2 021.2020488	2.77

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59.	B. Lokeshgupta & S. Sivasubramani	Dynamic Economic and Emission Dispatch with Renewable Energy Integration Under Uncertainties and Demand Side Management	Electrical Engineering	2021	https://doi. org/10.1007 /s00202-021- 01476-2	1.63
60.	Durga MadhabMahapatra,PuranjanMis hra,SvetaThakur,LakhveerSingh	Leveraging artificial intelligence in bioelectrochemical systems	Trends in Biotechnology Journal	2021	https://doi. org/10.1016 /j.tibtech.20 21.11.005	21.94
61.	Rahul Singh, Syed Akhil, V. G. Vasavi Dutt,Nimai Mishra	Study of Shell Thickness Dependent Charge Transfer Dynamics in Green Emitting Core/Shell Giant Quantum Dots	Inorganic Chemistry	2021	https://doi. org/10.1021 /acs.inorgch em.1c03185	5.43
62.	Bibhas Chandra, Soni Wadhwa, Sumit Kumar	Shopping website selection for lifestyle products using the AHP and TOPSIS methods under fuzzy environment	International Journal of Electronic Marketing and Retailing	2021	https://doi. org/10.1504 /ijemr.2022. 10044965	0.00
63.	Vivek Kr. Verma, Bibhas Chandra, Sumit Kumar	An Enquiry Through the Lens of Extended Value- Belief-Norm Theory to Predict Consumer's Green Hotel Visit Intention	International Journal of Management Practice	2021	10.1504/IJM P.2023.10047 963	0.00
64.	Althuwayb, Ayman A. search by orcid; Chaturvedi, Divya; Kumar, Arvind	SIW Cavity-Backed Slot Antenna with Monopole- Like Radiation for Vehicular Communications	International Journal of RF and Microwave Computer Aided Engineering	2021	10.1007/s003 39-021- 05203-3	1.70
65.	Ayman A. Althuwayb,Arvind Kumar,Divya Chaturvedi	Substrate Integrated Waveguide Based Cavity-Backed Bowtie-Slot Antenna- Triplexer	Applied Physics A	2021	10.1007/s003 39-021- 05203-3	2.58
66.	Paula C. J. Reis, Shoji D. Thottathil & Yves T. Prairie	The role of methanotrophy in the microbial carbon metabolism of temperate lakes	Nature Communicatio ns	2021	https://doi. org/10.1038 /s41467-021- 27718-2	17.69
67.	Deepak S. Gavali, Yoshiyuki Kawazoe, Ranjit Thapa	First-principles identification of interface effect on Li storage capacity of C3N/Graphene multilayer heterostructure	Journal of Colloid and Interface Science	2021	https://doi. org/10.1016 /j.jcis.2021.1 2.052	9.96
68.	Priyanka Singh,Kilari Jyothsna Devi,Hiren Kumar Thakkar,andJosé Santamaría	Blind and Secured Adaptive Digital Image Watermarking Approach for High Imperceptibility and Robustness	Entropy	2021	https://doi. org/10.3390 /e23121650	2.73

69.	Hiren Kumar Thakkar, Ankit Desai ,Subrata Ghosh,Priyanka Singh,and Gajendra Sharma	AdaBoostWithCost: A Cost- sensitive Classification for Customer Churn Prediction	Computational Intelligence and Neuroscience	2021	10.1155/202 2/9028580	3.12
70.	Andrew Kim, Jatis Kumar Dash, Pawan Kumar, and Rajkumar Patel	Carbon-based quantum dots for photovoltaic devices	ACS Applied Electronic Materials	2021	https://doi. org/10.1021 /acsaelm.1c 00783	4.49
71.	KoduruHajarathaiah,Murali KrishnaEnduri,SatishAnamalam udi	Efficient Algorithm for Finding the Influential Nodes using Local Relative Change of Average Shortest Path	Journal Physica A: Statistical Mechanics and its Applications	2021	https://doi. org/10.1016 /j.physa.202 1.126708	3.26
72.	Anjaiah Sheelam, Sakthipriya Balu, Adil Muneeb, Raju Kalaivanan, Bayikadi Khasim Saheb, Dhenadhayalan Namasivayam, Erakulan E S, Arif Imamdare, Ranjit Thapa, Ming-Hsi Chiang, Song-Jeng Huang, and Raman Sankar	Improved Oxygen Redox Activity by High-valent Fe and Co3+ Sites in Perovskite LaNi1- xFe0.5xCo0.5xO3	ACS Applied Energy Materials	2021	https://doi. org/10.1021 /acsaem.1c0 2871	6.95
73.	Sauvik Chatterjee, Surajit Das, Piyali Bhanja, Erakulan E. S., Ranjit Thapa, Santu Ruidas, Sayantan Chongdar, Suman Ray and Asim Bhaumik	Ag nanoparticles immobilized over highly porous crystalline organosilica for epoxidation of styrene using CO2 as oxidant	Journal of CO2 Utilization	2021	https://doi. org/10.1016 /j.jcou.2021. 101843	8.32
74.	Sabyasachi Chakrabortty,Nilanjon Naskar,Manfred Wagner,Hans Joachim Räder,Haoyuan Qi,Ute Kaiser,Tanja Weil	Molecular Insights of Carbon Nanodot Formation and Their Two-Photon Emission Properties	Advanced Photonics Research	2021	https://doi. org/10.1002 /adpr.20210 0092	0.00
75.	Ramesh Vaddi , Renuka ChowdaryBheemanaa,AdityaJap ab,Siva SankarYellampalli	Negative Capacitance FETs for Energy Efficient and Hardware Secure Logic Designs	Microelectroni cs Journal	2021	https://doi. org/10.1016 /j.mejo.2021. 105320	1.99
76.	Karthik Rajendran,Sarath C.Gowda,SeeramRamakrishna	An untapped and under- tapped resource for nutrient recovery towards attaining a sustainable circular economy	Chemosphere	2021	https://doi. org/10.1016 /j.chemosph ere.2021.132 753	8.94
77.	Pratik V.Shinde,AnjanaTripathi,RanjitT hapa,ChandraSekhar Rout	Nanoribbons of 2D inorganic materials: A review on emerging trends, recent developments and future perspectives	Coordination Chemistry Reviews	2021	https://doi. org/10.1016 /j.ccr.2021.2 14335	24.83
78.	Lokenath Kundu	LINEAR FRACTIONAL GROUP AS GALOIS GROUP	Journal of Topology and Analysis	2021	https://doi. org/10.1142 /S179352532 1500722	0.65

	Lakhveer Singh, Puranjan	Engineered Nanoenzymes			https://li	
79.	Mishra, Junsang Lee, Deepak Kumar, Ricardo O. Louro, Nazua Costa, Deepak Pathania, Smita	with Multifunctional Properties for Next- Generation Biological and	Advanced Functional Materials	2021	https://doi. org/10.1002 /adfm.20210 8650	19.92
	Kumar,Jinwoo Lee	Environmental Applications				
80.	Subhadeep Roy and Soumyajyoti Biswas	Opinion dynamics: Public and private	Philosophical Transactions of the Royal Society A	2021	https://doi. org/10.1098 /rsta.2021.01	4.01
81.	MahimaChandel,KamaljitKaur,B andana KumariSahu,SandeepSharma,Raj apandiyanPanneerselvam,Vijaya kumarShanmugam	Promise of nano-carbon to the next generation sustainable agriculture	Carbon	2021	https://doi. org/10.1016 /j.carbon.20 21.11.060	11.30
82.	ZahariMohamad,Amir AbdulRazak,SanthanaKrishnand LakhveerSingh,A.W.Zularisama MohdNasrullah	Treatment of palm oil mill effluent using electrocoagulation powered by direct photovoltaic solar system	Chemical Engineering Research and Design Journal	2021	https://doi. org/10.1016 /j.cherd.202 1.11.019	3.75
83.	MeghaMourya,Mohd. JahirKhan,AnkeshAhirwar,Benoi tSchoefs,JustineMarchand,Anshu manRai,SunitaVarjani,KarthikRaj endran, RajeshBanu,VandanaVinayak	Latest trends and developments in microalgae as potential source for biofuels: The case of diatoms	Fuel	2021	https://doi. org/10.1016 /j.fuel.2021. 122738	8.03
84.	Kshira Sagar Sahoo,Mayank Tiwary; Ashish Kr. Luhach; Anand Nayyar; Kim-Kwang Raymond Choo	Demand-Supply Based Economic Model for Resource Provisioning in Industrial IoT Traffic	IEEE Internet of Things Journal	2021	10.1109/JIO T.2021.31222 55	10.23
85.	Anil K Suresh, Divya S.Parimia, Yamini Guptaa, Sreekar Marpub Chandra ,S.Bhattac Tharun, K.Bollu	Nanomagnet-facilitated pharmaco-compatibility for cancer diagnostics: Underlying risks and the emergence of ultrasmall nanomagnets	Journal of Pharmaceuti cal Analysis	2021	https://doi. org/10.1016 /j.jpha.2021. 11.002	14.02
86.	Narendra K. Bodaballa,Soumyajyoti Biswas andSubhadeep Roy	Correlation between avalanches and emitted energies during fracture with variable stress release range	Frontiers in Physics	2021	https://doi. org/10.3389 /fphy.2022.7 68853	3.71
87.	Lakhveer Singh, Puranjan Mishra,Putla Sudarsanam,Durga Madhab Mahapatra,Ahmed Elmekawy,Deepak Pant	"Progressions in cathodic catalysts for oxygen reduction and hydrogen evolution in bioelectrochemical systems: Molybdenum as the next-generation catalyst	Catalysis Reviews	2021	https://doi. org/10.1080 /01614940.2 021.2003085	20.55
88.	Varshney.A., Khan.J.A., Ahmad. I., Uddin.I.,	Room temperature chemical synthesis of Bi2O3 nanoparticles,	Micro & amp; Nano Letters,	2021	https://doi. org/10.1049 /mna2.1207	0.00

89.	Mulagala Sandhya, Mahesh Kumar Morampudi, Rushali Grandhe, Richa Kumari, Chandanreddy Banda & Nagamani Gonthina	Detection of Diabetic Retinopathy (DR) severity from fundus photographs: An Ensemble Approach using weighted average	Arabian Journal for Science and Engineering	2021	https://doi. org/10.1007 /s13369-021- 06381-1	2.80
90.	Dr. S Appa Rao	Price Risk Management of Turmeric commodity Futures (NcDex) and Spot Market	Asian Journal of Multidimentio nal Research	2021	10.5958/227 8- 4853.2021.01 124.1	0.00
91.	Shubha Brata Nath, Subhrendu Chattopadhyay, Raja Karmakar, Sourav Kanti Addya, Sandip Chakraborty, and Soumya K Ghosh.	Containerized deployment of micro-services in fog devices: A reinforcement learning-based approach	The Journal of Supercomputi ng (JSUP)	2021	https://doi. org/10.1007 /s11227-021- 04135-2	2.47
92.	Divya S. Parimi, Yamini Gupta, Sreekar Marpu, Chandra S. Bhatt, Tharun K. Bollu and Anil K. Suresh	Nanomagnet properties facilitated pharmaco- compatibility for cancer diagnostics, underlying risks and the emergence of ultra-small nanomagnets.	J of Pharmaceutical Analysis	2021	https://doi. org/10.1016 /j.jpha.2021. 11.002	14.02
93.	Divya S. Parimi, Madhura H. U, Chandra S. Bhatt, Tharun K. Bollu, Noah Jacob, M. Motapothula and Anil K. Suresh	Derivation of sustainable transparent biotemplate from fish scale waste for ultra-low volume high-sensitive UV-Vis spectroscopy.	Green Chemistry	2021	http://doi.o rg/10.1039/ d1gc02569d	11.03
94.	Tauseef. A, Hisamuddin, Gupta. J, Rehman A, Uddin.I,	Differential response of cowpea towards the CuO nanoparticles under Meloidogyne incognita stress.	South African Journal of Botany,	2021	https://doi. org/10.1016 /j.sajb.2021. 02.017	3.11
95.	Ansari S, Hays JP, Kemp A, Okechukwu R, Murugaiyan J, Ekwanzala MD, Ruiz Alvarez MJ, Paul-Satyaseela M, Iwu CD, Balleste-Delpierre C, Septimus E, Mugisha L, Fadare J, Chaudhuri S, Chibabhai V, Wadanamby JMRWW, Daoud Z, Xiao Y, Parkunan T, Khalaf Y, M'Ikanatha NM, van Dongen MBM	The potential impact of the COVID-19 pandemic on global antimicrobial and biocide resistance: An AMR Insights' global perspective.	JAC- Antimicrobial Resistance.,	2021	doi: 10.1093/jaca mr/dlab038.	0.00
96.	Szoke, T., Albocher, N., Govindarajan, S., Nussbaum- Shochat, A. and Amster-Choder, O	Tyrosine phosphorylation- dependent localization of TmaR that controls activity of a major bacterial sugar regulator by polar sequestration.	Proceedings of the National Academy of Sciences	2021	https://doi. org/10.1073 /pnas.20160 17118	0.00

97.	Mohd JahirKhan,NikhilSingh,Sudhansh uMishra,AnkeshAhirwar,FelixBa st,SunitaVarjani,BenoitSchoefs,Ju stineMarchand,KarthikRajendran ,J. RajeshBanu,Ganesh DattatrayaSaratale,Rijuta	Impact of light on microalgal photosynthetic microbial fuel cells and removal of pollutants by nanoadsorbent biopolymers: Updates, challenges and innovations	Chemosphere	2021	https://doi. org/10.1016 /j.chemosph ere.2021.132 589	8.94
98.	GaneshSaratale, Vandana Vinayak Sudhakar Tummala; Venkata Sainath Gupta Thadikemalla; Barbara A.K. Kreilkamp; Erik B. Dam; Niels K. Focke	Fully Automated Quality Control of Rigid and Affine Registrations of T1w and T2w MRI in Big Data using Machine Learning	Computers in Biology and Medicine	2021	https://doi. org/10.1016 /j.compbio med.2021.10 4997	6.69
99.	Srabani Basu	Bending the Genders: Portrayal of the Third Gender in Popular Bengali Cinema	Review of International Geographical Education	2021	10.48047/rig eo.11.07.38	0.00
100.	Tarkeshwar Mahto,Rakesh Kumar ,Hasmat Malik ,Irfan Ahmad Khan ,Sattam Al Otaibi andFahad R. Albogamy	Design and Implementation of Frequency Controller for Wind Energy-Based Hybrid Power System Using Quasi- Oppositional Harmonic Search Algorithm	Energies	2021	https://doi. org/10.3390 /en14206459	3.25
101.	Ayyagari Lakshmana Rao,Nikhil Kulshrestha,Gopalarathinam Ramakrishnan,Bahuguna Prakash	The ignored tool "corporate governance rating": An overview of the corporate world in the emerging market	Journal of Governance and Regulation	2021	10.22495/jgr v11i1art4	0.00
102.	ShaijuPanchikkil,M.Manikandan, Yu-DongZhang	A Convolutional Neural Network Model based Reversible Data Hiding Scheme in Encrypted Images with Block-wise Arnold Transform	Optik	2021	https://doi. org/10.1016 /j.ijleo.2021. 168137	2.84
103.	Sinthika S,Pushpa Selvi M,Nimma Elizabeth R,Deepak S. Gavali,Ranjit Thapa	Understanding the role of lithium bonds in doped graphene nanoribbons as cathode hosts for Li-S batteries: A first-principles study	International Journal of Energy Research	2021	https://doi. org/10.1002 /er.7438	4.67
104.	Nitul Dutta & Hiren Kumar Deva Sarma	A scalable mobility management scheme for PMIPv6 with multiple Control and Data Plane	Wireless Personal Communicatio ns	2021	https://doi. org/10.1007 /s11277-021- 09254-w	2.01
105.	SamadhanKapse,BennetBenny,Pr anabMandal,RanjitThapa	Design Principle of MoS2/C Heterostructure to Enhance the Quantum Capacitance for Supercapacitor Application	Journal of Energy Storage	2021	https://doi. org/10.1016 /j.est.2021.1 03476	8.90
106.	Priyanka Singh,RahulKottath	An Ensemble Approach to Meta-heuristic Algorithms: Comparative Analysis and its Applications	Computers & Industrial Engineering	2021	https://doi. org/10.1016 /j.cie.2021.1 07739	7.18

107.	Pratik V. Shinde, Deepak S. Gavali, Ranjit Thapa, Manoj Kumar Singh, and Chandra Sekhar Rout.	Ternary VS2/ZnS/CdS hybrids as efficient electrocatalyst for hydrogen evolution reaction: Experimental and theoretical insights	AIP Advances	2021	https://doi. org/10.1063 /5.0068407	1.69
108.	ErakulanE.S,RanjitThapa	Origin of pure and C doped borophene stability and its activity for OER	Applied Surface Science	2021	https://doi. org/10.1016 /j.apsusc.20 21.151613	7.39
109.	Surfarazhussain S. Halkarni,Arunkumar Sridharan &S.V. Prabhu	Experimental and numerical investigations on the local wall heat transfer coefficient in a narrow packed bed with spheres	International Journal of Ambient Energy	2021	https://doi. org/10.1080 /01430750.2 021.1994463	3.22
110.	Saleti Sumalatha	Incremental mining of high utility sequential patterns using MapReduce paradigm	Cluster computing	2021	https://doi. org/10.1007 /s10586-021- 03448-4	1.80
111.	Sateeshkrishna Dhuli; Said Kouachi; Anamika Chhabra; Yatindra Nath Singh	Network Robustness Analysis for IoT Networks using Regular Graphs	IEEE Internet of Things'	2021	10.1109/JIO T.2021.31162 56	10.23
112.	Daniel Skomedal Breland, Aveen Dayal, Ajit Jha, Phaneendra K. Yalavarthy, Om Jee Pandey, Linga Reddy Cenkeramaddi	Robust Hand Gestures Recognition using a Deep CNN and Thermal Images	IEEE Sensors Journal	2021	10.1109/JSE N.2021.3119 977	4.32
113.	Ashwini Nawade, Kunchanapalli Ramya,SabyasachiChakrabortty, PriyankaBamola,HimaniSharma, MohitSharma,KrishnenduChakra borty,SeeramRamakrishna,SajalB iringghTeren, KinShun Wongi,AvishekKumar,Sabyasach iMukhopadhya,Goutam KumarDalapati	Copper based Transparent Solar Heat Rejecting Film on Glass through in-situ Nanocrystal Engineering of Sputtered TiO2	Ceramic International	2021	https://doi. org/10.1016 /j.ceramint.2 021.10.030	4.50
114.	Soumyajyoti Biswas and Bikas K. Chakrabarti	Social inequality analysis of fiber bundle model statistics and prediction of materials failure	Physical Review E	2021	https://doi. org/10.4855 0/arXiv.2106 .14294	2.70
115.	Pandey, M.K., Tiwari, P.	On the first sign change of Fourier coefficients of cusp forms at sum of two squares	Research in Number Theory	2021	10.1007/s409 93-021- 00291-9	0.00
116.	Rahul Singh, Syed Akhil, V. G. Vasavi Dutt, Nimai Mishra	Shell Thickness Dependent Photostability Studies of Green-Emitting "Giant" Quantum Dots	Nanoscale Adv ances	2021	https://doi. org/10.1039 /D1NA0066 3K	4.55
117.	K. M. Saradesh, K. R. Ravi & G. S. Vinodkumar	age hardenability of 22 carat gold alloyed with titanium	Gold bulletin	2021	https://doi. org/10.1007 /s13404-021- 00301-9	1.56

118.	Priyanka Singh and K Jyothsna Devi	Blind, Secured and Robust Watermarking for 3-D Polygon Mesh using Vertex Curvature	International Journal of Advanced Computer Science and Applications	2021	http://dx.d oi.org /10.14569/IJ ACSA.2021. 01208102	0.00
119.	R. K. Naik, S. Sethi, S. K. Bhaoi, Kshira Sagar Sahoo, N. Jhanjhi, T.A. Tabbakh and Z. A. Almusaylim	TBDDoSA-MD: Trust-Based DDoS Misbehave Detection Approach in Software- defined Vehicular Network (SDVN)	Computers, Materials and Continua	2021	10.32604/cm c.2021.01893	3.77
120.	T. V. Ramesh Reddy, Sanjay Kumar Mehta, Aravindhavel Ananthavel, Saleem Ali & D. Narayana Rao	Evolution of the Planetary Boundary Layer and its simulation over a tropical coastal station Kattankulathur (12.83 N; 80.04 E)	Theoretical an d Applied Climatology	2021	https://doi. org/10.1007 /s00704-021- 03770-2	3.14
121.	Santu Ruidas, Bishnupad Mohanty,Piyali Bhanja,S. Erakulan,Ranjit Thapa,Prasenjit Das,Avik Chowdhury,Sanjay K. Mandal,Bikash Kumar Jena,Asim Bhaumik	Metal-Free Triazine based Covalent Organic Framework for Efficient H2 Evolution via Electrochemical Water- Splitting	ChemSusChem	2021	https://doi. org/10.1002 /cssc.202101 663	9.14
122.	Kunchanapalli Ramya and Sabyasachi Mukhopadhyay	Effect of external mechanical force on the molecule–electrodes electronic coupling in (bio)molecular junctions	Journal of Materials Science: Materials in Electronics	2021	https://doi. org/10.1007 /s10854-021- 06277-8	2.77
123.	ChangleiXia, Abhijeet Pathy, Balasubramanian Paramasivan, Prabakaran Ganeshan, Kondusamy Dhamodharan, Ankita Juneja, Deepak Kumar, Kathirvel Brindhadevi, Sang- Hyoun Kim, Karthik Rajendran	Comparative study of pyrolysis and hydrothermal liquefaction of microalgal species: Analysis of product yields with reaction temperature	Fuel	2021	https://doi. org/10.1016 /j.fuel.2021. 121932	8.03
124.	Marzieh Omidi, Mehrdad Mashkour, Jayanta Kumar Biswas, Vijay Kumar Garlapati, Lakhveer Singh, Mostafa Rahimnejad, Deepak Pant	Fom electricity to products- Recent updates on microbial electrosynthesis (MES)	Topics in Catalysis	2021	10.1007/s112 44-021- 01503-3	2.78
125.	Seema Kumari,Ghanshyam Pandey	Understanding agricultural growth and performance of Bihar in India	SN Business and Economics	2021	10.1007/s435 46-021- 00150-w	0.00
126.	Om Jee Pandey; Tankala Yuvaraj; Joseph K. Paul; Ha H. Nguyen; Karthikay Gundepudi, Mahendra K. Shukla	Improving Energy Efficiency and QoS of LPWANs for IoT Using Q- Learning Based Data Routing	Transactions on Cognitive Communications and Networking	2021	10.1109/TC CN.2021.311 4147	4.34

127.	Soumyajyoti Biswas, Amit Kr Mandal	Optimization strategies of human mobility during the COVID-19 pandemic: A review	Mathematical Bioscience and Engineering	2021	10.3934/mbe .2021395	2.08
128.	Abdur Rashid Sangi, Mohammed S Alkatheiri, Satish Anamalamudi, Mohammed A. Alqarni, Muhammad Hammad Memon, Wanan Yang,	Spectrum Handoff Aware AODV Routing Protocol for Cognitive Radio Vehicular Ad Hoc Networks	Complexity Journal	2021	10.1155/202 1/6981719	2.83
129.	Prasenjit Maity; Sandeep Saxena; Shashank Srivastava; Kshira Sagar Sahoo, Neeraj Kumar	An Effective Probabilistic Technique for DDoS Detection in OpenFlow Controller	IEEE System Journal	2021	10.1109/JSY ST.2021.3110 948	3.39
130.	Deepak Rai, Hiren Kumar Thakkar , Shyam Singh Rajput , Jose Santamaria , Chintan Bhatt and Francisco Roca	A Comprehensive Review on Seismocardiogram: Current Advancements on Acquisition, Annotation, and Applications	Mathematics	2021	https://doi. org/10.3390 /math91822 43	2.26
131.	Chinmaya Kumar Swain; Aryabartta Sahu	Reliability Ensured Efficient Scheduling with Replication in Cloud Environment	IEEE System Journal	2021	10.1109/JSY ST.2021.3112 098	3.39
132.	Rohit Chivukula,T. Jaya Lakshmi,Sanku Satya Uday,Satti Thanuja Pavani	Classifying Clinically Actionable Genetic Mutations using KNN and SVM	Indonesian Journal of Electrical Engineering and Computer Science	2021	10.11591/ije ecs.v24.i3.pp 1672-1679	0.00
133.	Chinmaya Kumar Swain & Aryabartta Sahu	Interference Aware Workload Scheduling for Latency Sensitive Task in Cloud Environment	Computing	2021	https://doi. org/10.1007 /s00607-021- 01014-9	2.42
134.	Sriramulu Bojjagani, P. V. Venkateswara Rao, Dinesh Reddy Vemula, B Ramachandra Reddy & T. Jaya Lakshmi	A Secure IoT-based Micro- payment Protocol for Wearable Devices	Peer-to-Peer Networking Applications	2021	https://doi. org/10.1007 /s12083-021- 01242-y	3.31
135.	Syed Akhil, V. G. Vasavi Dutt, Rahul Singh, and Nimai Mishra	Surface-State-Mediated Interfacial Hole Transfer Dynamics Between CsPbBr3 Perovskite Nanocrystals and Phenothiazine Redox Couple	The Journal of Physical Chemistry-C	2021	https://doi. org/10.1021 /acs.jpcc.1c0 7129	4.19
136.	Murugaiyan. V., Ali, J., Frei.M., Zeibig.F., Pandey. A., Wairich. A., Wu. L.B, Murugaiyan. J., and Li. Z.,	Identification of promising genotypes through systematic evaluation for arsenic tolerance and exclusion in rice	Frontiers in Plant Science	2021	10.3389/fpls. 2021.753063	6.62
137.	Divya S. Parimi, Chandra S. Bhatt, Tharun K. Bollu, Madhura H. U,Noah Jacob,M. Motapothula and Anil K. Suresh	Sustainable transparent biotemplate from fish scale waste for ultra-low volume high-sensitive UV-Vis spectroscopy	Green Chemistry	2021	https://doi. org/10.1039 /D1GC0256 9D	11.03

138.	Akash Varshney, Jamal Ahmad Khan, Irfan Ahmad, Imran Uddin	Room temperature chemical synthesis of Bi2O3 nanoparticles	Micro & Nano Letters	2021	https://doi. org/10.1049 /mna2.1207	0.98
139.	Atirah Tauseef, Ahmad Khalilullah, Hisam Uddin, Imran Uddin	Role of MgO nanoparticles in the suppression of Meloidogyne incognita, infecting cowpea and improvement in plant growth and physiology	Experimental Parasitology	2021	10.1016/j.ex ppara.2020.1 08045	2.13
140.	Atirah Tauseef, Hisamuddin, Jhalak Gupta, Abdur Rehman, Imran Uddin	Differential response of cowpea towards the CuO nanoparticles under Meloidogyne incognita stress	South African Journal of Botany	2021	https://doi. org/10.1016 /j.sajb.2021. 02.017	3.11
141.	Abu Baker, Iram Wahid, Mohammad Hassan Baig, Saqer S. Alotaibi, Mohammad Khalid, Imran Uddin, Jae-June Dong, Mohd Sajid Khan	Silk cocoon derived protein bioinspired GNPs as a formidable anticancer agent	Journal of Biomedical Nanotechnolog y	2021	10.1166/jbn. 2021.3053	3.64
142.	Imran Uddin	Onsite visual detection of heavy metal contaminants using impregnated strip	Journal of Photochemistr y Photobiology A: Chem	2021	https://doi. org/10.1016 /j.jphotoche m.2021.1135 12	4.29
143.	Manjula R; Tejodbhav Koduru; Raja Datta	Protecting Source Location Privacy in IoT Enabled Wireless Sensor Networks: the case of Multiple Assets	IEEE Internet of Things Journal	2021	10.1109/JIO T.2021.31261 71	10.23
144.	Bhaskara S. Egala, Ashok K. Pradhan, Venkataramana Badarla & Saraju P. Mohanty	iBlock: Intelligent Decentralized Blockchain- based Pandemic Detection and Assisting System	Journal of Signal Processing Systems	2021	https://doi. org/10.1007 /s11265-021- 01704-9	1.35
145.	Gupta, S., Parne, B.L., Chaudhari, N.S. et al	SEAI: Secrecy and Efficiency Aware Inter-gNB Handover Authentication and Key Agreement Protocol in 5G Communication Network	Wireless Pers Commun	2021	https://doi. org/10.1007 /s11277-021- 09036-4	2.01
146.	Anvesh Reddy, Hanesh Koganti, Sai Krishna, Suhas Reddy, Soumyajyoti Biswas	Machine learning predictions of COVID-19 second wave end-times in Indian States	Indian Journal of Physics	2021	https://doi. org/10.1007 /s12648-021- 02195-x	1.77
147.	Hrudaya Kumar Tripathy, Sushruta Mishra, Hiren Kumar Thakkar, Deepak Rai	CARE: A Collision-Aware Mobile Robot Navigation in Grid Environment using Improved Breadth First Search	Computers and Electrical Engineering	2021	https://doi. org/10.1016 /j.compelece ng.2021.1073 27	3.82

148.	R. K. Behera, Kshira Sagar Sahoo, D. Naik, S. K. Rath, and B. Sahoo.	Structural Mining for Link Prediction Using Various Machine Learning Algorithms	International Journal of Social Ecology and Sustainable Development, IGI Global (Q2 Journal) (IJSESD) 12, no. 3 (2021): 66- 78.	2021	10.4018/IJSE SD.20210701 05	0.00
149.	Nithya, S., M. Sangeetha, KN Apinaya Prethi, Kshira Sagar Sahoo, Sanjaya Kumar Panda, and Amir H. Gandomi	SDCF: A Software-Defined Cyber Foraging Framework for Cloudlet Environment	Transactions on Network and Service Management (TNSM)	2021	10.1109/TN SM.2020.301 5657	4.75
150.	Shaik Gouse Peera,Chao Liu,Akhila Kumar Sahu,Manickam Selvaraj,M. C. Rao,Tae Gwan Lee,Ravindranadh Koutavarapu,Jaesool Shim,Lakhveer Singh	Recent Advances on MXene's based Electrocatalysts towards Oxygen Reduction Reaction: A Focused Review	Advanced Materials Interfaces	2021	https://doi. org/10.1002 /admi.20210 0975	6.38
151.	PriyankaBamola,MohitSharma,C haruDwivedi,BhartiSingh,Seera mRamakrishna,Goutam KumarDalapati,HimaniSharma	Interfacial interaction of plasmonic nanoparticles (Ag, Au) decorated floweret TiO2 nanorod hybrids for enhanced visible light driven photocatalytic activity	Materials Science & Engineering B	2021	https://doi. org/10.1016 /j.mseb.2021 .115403	4.05
152.	Swikriti Khadke ,Pragya Gupta ,Shanmukh Rachakunta,Chandreswar Mahata ,Suma Dawn ,Mohit Sharma ,Deepak Verma ,Aniruddha Pradhan ,Ambati Mounika Sai Krishna ,Seeram Ramakrishna ,Sabyasachi Chakrabortty ,Gopalan Saianand,Prashant Sonar,Sajal Biring ,Jatindra Kumar Dash,andGoutam Kumar	Efficient Plastic Recycling and Remold Circular Economy using the Technology of Trust – Blockchain	Sustainability	2021	https://doi. org/10.3390 /su13169142	3.88
153.	Lakshmi Kuruguntla; Vineela Chandra Dodda; Karthikeyan Elumalai	Study of parameters in dictionary learning method for seismic denoising	IEEE Transactions on Geoscience and Remote Sensing journal	2021	10.1109/TG RS.2021.3107 541	8.12

154.	Madasamy Hari Balakrishnan,Madasamy Kanagaraj,Velayudham Sankar, Mahesh Kumar Ravva and Subramaniyan Mannathan	Synthesis of Ortho-Arylated and Alkenylated Benzamides by Palladium- Catalyzed Denitrogenative Cross-Coupling Reactions of 1,2,3-Benzotriazin-4(3H)- Ones with Organoboronic Acids	New Journal of Chemistry	2021	DOI https://doi. org/10.1039 /D1NJ03706 D	3.92
155.	K. M. Saradesh, K. R. Ravi & G. S. Vinodkumar	The age hardenability of 22Karat gold (Au- 5.8wt.%Cu-2.5wt.%Ag) alloyed with Titanium	Gold bulletin	2021	10.1007/s134 04-021- 00301-9	1.56
156.	Hai-Long Wang, En-Ming You, Rajapandiyan Panneerselvam, Song-Yuan Ding & Zhong-Qun Tian	Advances of surface- enhanced Raman and IR spectroscopies: from nano/microstructures to macro-optical design	Light: Science & Applications	2021	https://doi. org/10.1038 /s41377-021- 00599-2	17.78
157.	Phiralang Marbaniang, Samadhan Kapse, Sagar Ingavale, Ranjit Thapa and Bhalchandra Kakade	Nitrogen doping derived bridging of Graphene and Carbon Nanotube composite for oxygen electroreduction	International Journal of Energy Research	2021	https://doi. org/10.1002 /er.7179	4.67
158.	Priyanka; Sumit Kumar; Akhilesh Tiwari	Managing employees' turnover: findings from AHP model	International Journal of Economics & Business Research	2021	10.1504/IJEB R.2021.11633 0	0.00
159.	AjayKumar, Manisha Chandel, Arush Sharma, Manita Thakur, Amit Kumar, Deepak Pathania, Lakhveer Singh	Robust visible light active PANI/LaFeO3/CoFe2O4 ternary heterojunction for the photo-degradation and mineralization of pharmaceutical effluent: Clozapine	Journal of Environmental Chemical Engineering	2021	https://doi. org/10.1016 /j.jece.2021.1 06159	7.96
160.	V. G. Vasavi Dutt,Syed Akhila and Nimai Mishra	Enhancement of Photoluminescence and Stability of CsPbX3 (X= Cl, Br, and I) Perovskite Nanocrystals with Phthalimide Passivation	Nanoscale	2021	https://doi. org/10.1039 /D1NR0391 6D	8.30
161.	Pavan Mohan N	Meteorological Drought Assessment in India using Machine Learning Techniques	International Journal of Sciece and Research	2021	10.21275/SR 21709204919	0.00
162.	Hrudaya KumarTripathy,SushrutaMishra, Hiren KumarThakkar,DeepakRai	CARE: A Collision-Aware Mobile Robot Navigation in Grid Environment using Improved Breadth First Search	Computers and Electrical Engineering	2021	https://doi. org/10.1016 /j.compelece ng.2021.1073 27	3.18

163.	V.G. Vasavi Dutt, Syed Akhil, Nimai Mishra	Cesium Lead Bromide Perovskite Nanocrystals as a Simple and Portable Spectrochemical Probe for Rapid Detection of Chlorides	ChemistrySelec t	2021	https://doi. org/10.1002 /slct.202102 268	2.30
164.	Amjad Ali Pasha,Meshal Nuwaym Al- Harbi,Surfarazhussain S. Halkarni,Nazrul Islam,D. Siva Krishna Reddy,S. Nadaraja Pillai,Ufaith Qadiri	CFD study of convective heat transfer of water flow thro micro pipe with mixed constant wall temp and heat flux wall boundary conditions	CFD Letters	2021	https://doi. org/10.3793 4/cfdl.13.7.1 326	2.21
165.	Radha Guha	Designing a Chat-bot for College Information using Information Retrieval and Automatic Text Summarization Techniques.	Journal of Current Chinese Computer Science (Jan 2021), Vol 1, Issue 1, Bentham Science Publisher.	2021	10.2174/266 59972019992 01022191540	0.00
166.	Priyanka Singh, K Jyothsna Devi	Blind, Secured and Robust Watermarking for 3 - D Polygon Mesh Using Vertex Curvature	International Journal of Advanced Computer Science and Applicatio ns	2021	14569/IJACS A.2021.01208 102	1.00
167.	Senapati, R	LTE-advanced cell capacity estimation model and algorithm for voice service	J Ambient Intell Human Comput	2021	10.1007/s126 52-021- 03373-9	7.10
168.	Mohd Jahir Khan, Harish, Ankesh Ahirwar, Benoit Schoefs, Arivalagan Pugazhendhi, Sunita Varjani, Karthik Rajendran, Shashi Kant Bhatia, Ganesh Dattatraya Saratale, Rijuta Ganesh Saratale, Vandana Vinayak,	Insights into diatom microalgal farming for treatment of wastewater and pretreatment of algal cells by ultrasonication for value creation	Environmental Research	2021	10.1016/j.en vres.2021.11 1550	8.43
169.	Goutam Kumar Dalapati, Nimai Mishra, Vasavi Dutt	p-i-n Structured Semitransparent Perovskite Solar Cells with Solution- Processed Electron Transport Layer	Journal of Electronic Materials	2021	10.1007/s116 64-021- 09104-2	2.04
170.	Joseph, S., Ravva, M.K., Davis, B.A., Thomas, S. and Kalarikkal, N.	Theoretical Study on Understanding the Effects of Core Structure and Energy Level Tuning on Efficiency of Nonfullerene Acceptors in Organic Solar Cells	Advacned Theory and Simulations	2021	10.1002/adts .202100019	4.00

171.	Syed Akhil, V.G.Vasavi Dutt and Nimai Mishra	Bromopropane as a Novel Bromine Precursor for the Completely Amine Free Colloidal Synthesis of Ultra- Stable and Highly Luminescent Green- Emitting Cesium Lead Bromide (CsPbBr3) Perovskite Nanocrystals	Nanoscale	2021	10.1039/D1 NR03560F	8.30
172.	Dalapati., G, Mukhopadhyay, S., Ghosh, Siddhartha., Chakrabortty, S.,	Tin Oxide for Optoelectronics, Photovoltaic and Energy Storage Devices - A Review	Journal of Materials Chemistry A	2021	10.1039/D1T A01291F	14.51
173.	David J. Lusher, Satya P. Jammy, Neil D. Sandham,	OpenSBLI-Automatic code generation for heterogeneous computer architectures applied to CFD	Computer physics communicatio n	2021	10.1016/j.cp c.2021.10806 3.	4.71
174.	Bhoi A, Nayak RP, Bhoi SK, Sethi S, Panda SK, Sahoo KS, Nayyar A.	IoT-IIRS: Internet of Things based intelligent-irrigation recommendation system using machine learning approach for efficient water usage	PeerJ computer Science	2021	10.7717/pee rj-cs.578	3.04
175.	Singh, S., Bala, M.M., Kumar, N. and Janor, H	Application of DEA-Based Malmquist Productivity Index on Health Care System Efficiency of ASEAN Countries	Int J Health Plann Mgmt	2021	https://doi. org/10.1002 /hpm.3169	1.37
176.	Kandala Sree Rama Murthy, and V. M. Manikandan	Reversible Data Hiding using Block-wise Histogram Shifting and Run-length Encoding	International Journal of Advanced Computer Science and Applications	2021	10.14569/IJ ACSA.2021. 0120511	0.00
177.	Sampa Rani Bhadra,Ashok Kumar Pradhan	Multi-hop traffic grooming routing and wavelength assignment using split light trail in WDM all optical mesh networks	Journal of High-Speed Networks	2021	10.3233/JHS -210658	0.00
178.	Sharon Santhosh; Malvika Sathish; Shriya Iyer; Sujith Kalluri; Asha Anish Madhavan	One-pot synthesis of MoS2 nanoflowers for thermal energy storage applications	Materials Letters	2021	https://doi. org/10.1016 /j.matlet.202 1.130343	3.57
179.	L N Patro; K Ramakrushna Achary; Y. Bhaskara Rao	Structural and Transport Properties of Mechanochemically Synthesized La0.9Ba0.1F2.9 and La0.9Ba0.05Ca0.05F2.9	Materials Letters	2021	https://doi. org/10.1016 /j.matlet.202 1.130337	3.57

180.	Yao, L., Zhu, D., Liao, H., Haseena, S., Ravva, M.K., Cong, S., Lan, L., Wang, Y., Li, Z., Jiang, L. and Yue, W.	Correction: Fused ambipolar aza-isoindigos with NIR absorption	Org. Chem. Front.	2021	10.1039/D1 QO90017J	5.28
181.	A. Dey, G. Chandrabose, P. Ghosh, L. A. O. Damptey, Adam H. Clark, V. Selvaraj, R V. Kumar, N. St. J. Braithwaite, S. Zhuk, G. K. Dalapati, S Ramakrishna, S. Krishnamurthy	Atmospheric pressure plasma engineered superhydrophilic CuO surfaces with enhanced catalytic activities	Applied Surface Science	2021	https://doi. org/10.1016 /j.apsusc.20 21.150413	7.39
182.	S. Anamalamudi, M. S. Alkatheiri, E. Al Solami and A. R. Sangi	Cooperative Caching Scheme for Machine-to- Machine Information- Centric IoT Networks	IEEE Canadian journal of Electrical and Computer Engi neering	2021	10.1109/ICJ ECE.2020.30 46844	1.43
183.	Patnala Vanitha, Nijil Lal, Anju Rani, Salla Gangi Reddy, R. P. Singh	Correlations in Scattered Perfect Optical Vortices	Journal of Optics	2021	https://doi. org/10.4855 0/arXiv.2002 .01237	2.07
184.	Pancha, I.; Takaya, K.; Tanaka, K.; Imamura, S.	The Unicellular Red Alga Cyanidioschyzon merolae, an Excellent Model Organism for Elucidating Fundamental Molecular Mechanisms and Their Applications in Biofuel Production	Plants	2021	10.3390/pla nts10061218	2.76
185.	Sandeep K.Malyan,Smita S.Kumar,Ram Kishor,agodiya,PoojaGhosh,Amit Kumar,RajeshSingh,LakhveerSin gh	Biochar for Environmental Sustainability in the Energy-Water- Agroecosystem Nexus	Renewable and Sustainable Energy Reviews	2021	https://doi. org/10.1016 /j.rser.2021.1 11379	2.22
186.	Samir Gokarn, Aparna Choudhary	Modeling the key factors influencing the reduction of food loss and waste in fresh produce supply chains	Journal of Environmental Management	2021	10.1016/j.jen vman.2021.1 13063	8.91
187.	Sushruta Mishra, Hiren Kumar Thakkar, Pradeep Kumar Mallick, Prayag Tiwari, Atif Alamri	A sustainable IoHT based computationally intelligent healthcare monitoring system for lung cancer risk detection	Sustainable Cities and Society	2021	https://doi. org/10.1016 /j.scs.2021.1 03079	10.69
188.	L N Patro, Y. Bhaskara Rao,	Influence of Synthesis Methodology and Excess Na on the Ionic Transport Properties of Natrium Super Ionic Conductor, Na3Zr2Si2PO12	Materials Letters	2021	https://doi. org/10.1016 /j.matlet.202 1.130267	3.57
189.	Pratap S.Birthal, Jaweriah Hazrana, Digvijay S.Negi, Ghanshyam Pandey	Benefits of Irrigation against heat stress in Agriculture: Evidence from wheat crop in India	Agricultural Water Management	2021	10.1016/j.ag wat.2021.106 950	6.61

190.	Amit Chakraborty, Stefano Moretti, Claire H. Shepherd- Themistocleous & Harri Waltari	Extraction of neutrino Yukawa parameters from displaced vertices of sneutrinos	Journal of High Energy Physics	2021	10.1007/JHE P06(2021)027	6.37
191.	H. K. Thakkar, P. K. Sahoo and B. Veeravalli	RENDA: Resource and Network Aware Data Placement Algorithm for Periodic Workloads in Cloud	IEEE Transactions on Parallel and Distributed Systems	2021	10.1109/TP DS.2021.308 0582	3.75
192.	Sajan Kumar, Sai Risvanth Katragadda, Ashu Abdul, , V. Dinesh Reddy	Extended GCN for 3D Object Classification in Point Clouds	International Journal of Advanced Computer Science and Applications	2021	10.14569/IJ ACSA.2021. 0120597	0.00
193.	V. Dinesh Reddy, P.Ravi, Ashu Abdul, Mahesh Kumar Morampudi	Techniques for solving Shortest Vector Problem	International Journal of Advanced Computer Science and Applications	2021	10.14569/IJ ACSA.2021. 0120598	0.00
194.	Mahesh Kumar Morampudi, Munaga V N K Prasad, Surya Narayana Raju Undi	SviaB: Secure and verifiable multi-instance iris remote authentication using blockchain	IET Biometrics	2021	https://doi. org/10.1049 /bme2.12042	2.71
195.	A. Tabbakha, J. K. Rout, Kshira Sagar Sahoo, NZ Jhanjhi.	Bankruptcy Prediction using Robust Machine Learning Model	Turkish Journal of Computer and Mathematics Education	2021	https://doi. org/10.1776 2/turcomat. v12i10.4957	0.00
196.	Bhaskara Rao, K. Kamala Bharathi and L. N. Patro	Review on the Synthesis and Doping Strategies in Enhancing the Na Ion Conductivity of Na3Zr2Si2PO12 (NASICON ) Based Solid Electrolytes	Solid State Ionics	2021	https://doi. org/10.1016 /j.ssi.2021.11 5671	3.69
197.	Amritanjali Tiwari, Amit Gautam, Saddam Sk, Deepak S. Gavali, Ranjit Thapa, and Ujjwal Pal	Controlled Loading of MoS2 on Hierarchical Porous TiO2 for Enhanced Photocatalytic Hydrogen Evolution	Journal of Physical Chemistry C	2021	https://doi. org/10.1021 /acs.jpcc.1c0 1922	4.17
198.	Sriramulu Bojjagani, V. N. Sastry, Chien-Ming Chen, Saru Kumari & Muhammad Khurram Khan	Systematic Survey of Mobile Payments, Protocols, and Security Infrastructure	Journal of Ambient Intelligence and Humanized Computing	2021	https://doi. org/10.1007 /s12652-021- 03316-4	3.66
199.	H. Bhuyan, P. P. Das, J. K. Dash and J. Killi	An Automated method for identification of key frames in Bharatanatyam Dance Videos	IEEE Access	2021	10.1109/AC CESS.2021.3 079397	3.47

200.	Aravindhavel A. Sanjay Kumar Mehta, Saleem Ali, Ramesh Reddy, Vanmathi Annamalai, and D. Narayana Rao	Micro pulse lidar measurements in coincidence with CALIPSO overpasses: Comparison of tropospheric aerosols over Kattankulathur (12.82oN, 80.04oE).	Atmospheric Pollution Research	2021	https://doi. org/10.1016 /j.apr.2021.1 01082	4.83
201.	Ananthvel Aravindhavel; Sanjay Kumar Mehta, T. V. Ramesh Reddy; Saleem Ali; D. Narayana Rao	Vertical distributions and columnar properties of the aerosols during different seasons over Kattankulathur (12.82oN, 80.04oE): A semi-urban tropical coastal station.	Atmospheric Environment	2021	https://doi. org/10.1016 /j.atmosenv. 2021.118457	4.80
202.	Saswata Adhikari, V.P. Anoop and S. Parui	Existence of an extremal of Sobolev ineq uality associated with Dunkl gradient and of Stein-Weiss inequality for D-Riesz potential	Complex Analysis and Operator Theory	2021	https://doi. org/10.1016 /j.atmosenv. 2021.118457	0.81
203.	Mathiyazhagan S and Lakshmi Sirisha Maganti	Thermal Management of Multi-Core Processor Using U Configured Parallel Microchannel Cooling System	Journal of Physics: Conference Series	2021	10.1088/174 2- 6596/2178/1 /012006	0.00
204.	Murmu, S., Paul, S., Kapse, S., Thapa, R., Chattopadhyay, S., Abharana, N., Jha, S.N., Dibyendu, B. and Ghorai, U.K.	Unveiling the Genesis of the High Catalytic Activity in Nickel Phthalocyanine for Electrochemical Ammonia Synthesis	Journal of Materials Chemistry A	2021	https://doi. org/10.1039 /D1TA00766 <u>A</u>	14.51
205.	Kumar, S.S., Ghosh, P., Kataria, N., Kumar, D., Thakur, S., Pathania, D., Kumar, V., Nasrullah, M. and Singh, L.	The Role of Conductive Nanoparticles in Anaerobic Digestion: Mechanism, Current Status and Future Perspectives	Chemosphere	2021	https://doi. org/10.1016 /j.chemosph ere.2021.130 601	8.94
206.	Mathiyazhagan S and Sirisha Maganti	Analytical and numerical prediction Of hydrodynamic characteristics of microchannel	Lecture notes of mech engg	2021	https://doi. org/10.1007 /978-981-16- 7909-4_30	0.40
207.	Jadhav, P	Passive morphing in aerospace composites	key engineering material	2021	https://doi. org/10.4028 /www.scien tific.net/KE M.889.53	0.43
208.	Jadhav, P. and Gruha, L.Y.	Failure criteria for wavy edge in aerospace composites	Lecture notes in mechanical engineering	2021	https://doi. org/10.1007 /978-981-16- 0673-1_9	0.40
209.	Jadhav, prakash and gruhlakshmi	Design and optimization of hybrid interface joint in fan blade of aircraft engine	Material science and engineering	2021	10.1088/175 7- 899X/1126/ 1/012036	0.53

210.	Neel Gandhi., Garlapati Nagababu and Vistapalli Janardhan	Modeling and kinematic analysis of robotic manipulator for street cleaning	lectute note in mech engg	2021	https://doi. org/10.1007 /978-981-16- 1769-0_55	0.40
211.	Nizami, T.K., Chakravarty, A. and Mahanta, C.	Time bound online uncertainty estimation based adaptive control design for DC-DC buck converters with experimental validation	IFAC Journal of Systems and Control	2021	https://doi. org/10.1016 /j.ifacsc.2020 .100127	0.00
212.	Udumula, R.R.	Single Input LC Series Resonant Converter Based High Brightness Light Emitting Diode Driver with ZVS	Journal of Power Technologies	2021	10.22541/au. 161608161.12 896809/v1	0.00
213.	Sharma, S.K., Tewari, S.V., Waghmare, N., Raju, S.J., Rao, K.D. and Sharma, A.	Compact Inertial Electrostatic Confinement D-D Fusion Neutron Generator	Elsevier- Annals of Nuclear Energy	2021	ANUCENE- D-20-01181	1.78
214.	Babu, D.L. and Sreenivasulu, T.	4-channel DWDM demultiplexer on Silicon Photonic crystal slab	IAS journal SADHANA	2021	10.1007/s120 46-020- 01531-x	1.19
215.	Bhadra, S.R., Pradhan, A.K. and Biswas, U.	Assignment of dynamic light trail in WDM optical mesh networks	Journal of optics	2021	10.1007/s125 96-021- 00689-9	2.07
216.	D. R. Denslin Brabin, Sriramulu Bojjagani, D.R.Denslin Braja	A Visible Watermarking Scheme for JPEG Images based on modification of Frequency Coefficients	Automatic Control and Computer Sciences	2021	https://doi. org/10.3103 /S014641162 1050023	0.00
217.	Manikandan, V.M.	A Reversible Data Hiding Scheme through Encryption using Rotated Stream Cipher	Computer Science	2021	10.7494/csci. 2021.22.2.384	0.00
218.	Tripathi, D., Edla, D.R., Bablani, A., Shukla, A.K. and Reddy, B.R.	Experimental analysis of machine learning methods for credit score classification	Progress in Artificial Intelligence	2021	10.1007/s137 48-021- 00238-2	0.00
219.	Tripathi, D., Ramachandra Reddy, B., Padmanabha Reddy, Y.C.A., Shukla, A.K., Kumar, R.K. and Sharma, N.K.	BAT algorithm-based feature selection: Application in credit scoring	Journal of Intelligent & Fuzzy Systems	2021	10.3233/JIFS -189876	1.73
220.	Murthy A. N	Experimental Study on Water Percolating Concrete	International Journal of Engineering and Advanced Technology (IJEAT)	2021	10.35940/ije at.D2427.041 0421	0.20
221.	Kulshrestha, A., Pancha, I., Mishra, S. and Kumar, A.	Deep eutectic solvents and Ionic liquid assisted hydrolysis of microalgal biomass: A promising approach towards sustainable biofuel production	Journal of Molecular Liquids	2021	https://doi. org/10.1016 /j.molliq.202 1.116264	6.63

222.	Gopisetty, R., Ragunathan, T. and Bindu, C.S.	Improving Performance of a Distributed File System using Hierarchical Collaborative Global Caching Algorithm with Rank-Based Replacement Technique	International Journal of Communicatio n Networks and Distributed Systems	2021	10.1504/IJC NDS.2021.11 4445	1.47
223.	Karra, C., Venkatachalam, P., Duru, K.K., Maram, P.S., Madhavan, A.A. and Kalluri, S.	Application-driven Industrial-scale Manufacturing of Li/Na- ion Battery Cathodes	Journal of The Electrochemica I Society	2021	10.1149/194 5- 7111/abfab6	4.38
224.	Chaithanya	Estimating Degree Of Emotional Polarity Of Textual Sentence Using Sentimental Analysis	International Journal of Advanced Research in Engineering and Technology	2021	10.34218/IJ ARET.12.4.2 021.023	0.00
225.	Ranjit Thapa, Yoshiyuki Kawazoe, Umesh Waghmare, Kenta Hongo, Mahesh Kumar Rava, Bhalchandra Kakade, Mallikarjuna Rao Motapothula	Advanced Catalyst	Catalysis Today	2021	10.1016/j.cat tod.2021.04.0 07	6.56
226.	Jebaslinhepzybai, B.T., Partheeban, T., Gavali, D.S., Thapa, R. and Sasidharan, M.	One-pot solvothermal synthesis of Co2P nanoparticles: an efficient HER and OER electrocatalysts	International Journal of Hydrogen Energy	2021	https://doi. org/10.1016 /j.ijhydene.2 021.04.022	7.13
227.	Samal, R., Bhat, M., Kapse, S., Thapa, R., Late, D.J. and Rout, C.S.	Enhanced energy storage performance and theoretical studies of 3D cuboidal Manganese diselenides embedded multiwalled carbon nanotubes composite	Journal of Colloid & Interface Science	2021	10.1016/j.jcis .2021.04.024	8.13
228.	Venkata Sai Rama Krishna Sighakolli, Madhusudan Veerla, Bhargavi Siddineni	IoT Based Smart Emergency Locket to Ensure Protection for Women	International journal of engineering research and technology	2021	10.1109/ICC IC.2018.8782 412	0.00
229.	Parshal Chitrakar	Implementation of consensus with TCP/IP	International journal of engineering research and technology	2021	10.1109/CS NT51715.202 1.9509664	0.00
230.	Ghosh, A., Saini, H., Sarkar, A., Guha, P., Samantara, A.K., Thapa, R., Mandal, S., Mandal, A., Behera, J.N., Ray, S.K. and Goswami, D.K.	Nitrogen Vacancy and Hydrogen Substitution Mediated Tunable Optoelectronic Properties of g-C3N4 2D Layered Structures: Applications towards Blue LED to Broad- band Photodetection	Applied Surface Science	2021	10.1016/j.ap susc.2021.14 9773	7.39

#### **Books Published**

- P. Pathak, Prangya Rout (2021). Urban Mining for Waste Management and Resource Recovery: Sustainable Approaches, CRC Press, Taylor & Francis, ISBN 9781003201076.
- P. Pathak, R.R. Srivastava (2021). Alternate energy resources: A way to sustainable modern society, Volume series 99, Book Series: Handbook of Environmental Chemistry, Springer Nature Switzerland. ISBN 978-3-030-57922-7

# **Book Chapters**

	V. M. Manikandan, book chapter titled "Recent Trends in Reversible Data Hiding
1	Techniques", in the book "Advanced Security Solutions for Multimedia", IOP Publishers,
1	Ebook ISBN 978-0-7503-3735-9, Print ISBN 978-0-7503-3733-5, DOI:
	https://doi.org/10.1088/978-0-7503-3735-9
	V. Dinesh Reddy, Kurinchi Nilavan, G.R. Gangadharan, Ugo Fiore, "Forecasting Energy
2	Consumption Using Deep Echo State Networks Optimized with Genetic Algorithm", in
_	Artificial Intelligence, Machine Learning, and Data Science Technologies
	Edition, CRC Press
	Olivia, Dr Sobin C C, Jafar Ali "Building Machine Learning Based Prediction System for
3	Critical Diseases" - SCA-DLCC 2021- Deep Learning for Cognitive Computing Systems:
	Technological Advancements and Applications by De Gruyter (Scopus Indexed)
	V. M. Manikandan, book chapter titled "A Secure Biometric Authentication System for Smart
4	Environment using Reversible Data Hiding through Encryption Scheme", in the book
	Machine Learning for Biometrics: Concepts, Algorithms and Applications, Elsevier
	Publications [Chapter: 11, ISBN: 9780323852098]
	Bhavana Siddineni, V. M. Manikandan, Book chapter titled "Recent Advancements in Design
5	and Implementation of Automated Sign Language Recognition Systems" in the book titled
	"Challenges and Applications for Hand Gesture Recognition", IGI Global publishers, DOI:
	10.4018/978-1-7998-9434-6, ISBN13: 9781799894346.
	Mohanty, B.C.S., Mishra, S. and Mishra, S.K. (2021). Analysis of Machine Learning
6	Technologies for the Detection of Diabetic Retinopathy. In Machine Learning for Healthcare
	Applications (eds S.N. Mohanty, G. Nalinipriya, O.P. Jena and A. Sarkar).
	https://doi.org/10.1002/9781119792611.ch24  Debanjan Konar, Siddhartha Bhattacharyya et. al Early Prediction of Coronavirus Epidemic
7	Outbreak Using Stacked Long Short-Term Memory Networks in Intelligent Modeling,
/	Prediction, and Diagnosis from Epidemiological Data
	Manjula, R., Narasamma, B., Shruthi, G., Nagarathna, K., Kumar, G. (2021). Artificial
	Olfaction for Detection and Classification of Gases Using e-Nose and Machine Learning for
8	Industrial Application. In: Ghosh, U., Maleh, Y., Alazab, M., Pathan, AS.K. (eds) Machine
	Intelligence and Data Analytics for Sustainable Future Smart Cities. Studies in Computational
	Intelligence, vol 971. Springer, Cham. https://doi.org/10.1007/978-3-030-72065-0_3
	Jaju, K., Thakkar, H. (2021). Impact of Artificial Intelligence and Internet of Things in Effective
	Handling of Coronavirus Crisis. In: Mishra, S., Mallick, P.K., Tripathy, H.K., Chae, GS.,
9	Mishra, B.S.P. (eds) Impact of AI and Data Science in Response to Coronavirus Pandemic.
	Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-
	16-2786-6_12
L	ı

	Cuba Badha (Chantar 2 Efficient research) and an interesting a montional model on a
	Guha, Radha. "Chapter 3 Efficient renewable energy integration: a pertinent problem and
	advanced time series data analytics solution". Machine Learning for Sustainable
10	Development, edited by Kamal Kant Hiran, Deepak Khazanchi, Ajay Kumar Vyas and
	Sanjeevikumar Padmanaban, Berlin, Boston: De Gruyter, 2021, pp. 31-52.
	https://doi.org/10.1515/9783110702514-003
	Nitul Dutta, Nilesh Kr. Jadav, Hiren Kr. Deva Sarma, Sudeep Tanwar and Emil Pricop,
11	"Cyber Security: Issues and Current Trends", (Reference book) Springer Studies in
	Computational Intelligence, ISBN. 978-981-16-6596-7, 2021.
	Mohanty, B.C.S., Mishra, S. and Mishra, S.K. (2021). Analysis of Machine Learning
12	Technologies for the Detection of Diabetic Retinopathy. In Machine Learning for Healthcare
	Applications (eds S.N. Mohanty, G. Nalinipriya, O.P. Jena and A. Sarkar).
	https://doi.org/10.1002/9781119792611.ch24
	Debanjan Konar, Siddhartha Bhattacharyya et. al Early Prediction of Coronavirus Epidemic
13	Outbreak Using Stacked Long Short-Term Memory Networks in Intelligent Modeling,
	Prediction, and Diagnosis from Epidemiological Data
	Manjula, R., Narasamma, B., Shruthi, G., Nagarathna, K., Kumar, G. (2021). Artificial
	Olfaction for Detection and Classification of Gases Using e-Nose and Machine Learning for
14	Industrial Application. In: Ghosh, U., Maleh, Y., Alazab, M., Pathan, AS.K. (eds) Machine
	Intelligence and Data Analytics for Sustainable Future Smart Cities. Studies in Computational
	Intelligence, vol 971. Springer, Cham. https://doi.org/10.1007/978-3-030-72065-0_3
4-	Priya Ranjan, Arti Taneja, Amit Ujlayan, Rajiv Janardhanan, Pancreatic Cancer Detection by
15	an Integrated Level Set-Based Deep Learning Model, Big Data and Artificial Intelligence for
	Healthcare Applications, 2021, 10.1201/9781003093770-83.
	Sunil Chinnadurai, Poongundran Selvaprabhu, Vetriveeran Rajamani, Monte Carlo
16	Simulation of a Uniform Response Silicon X-ray Detector International Journal of Recent
	Technology and Engineering, 2020, 10.1007/978-3-030-22277-2_18
	Sudhakar Tummala, Brain Tissue Entropy Changes in Patients with Autism Spectrum
17	Disorder, Computer Aided Intervention and Diagnostics in Clinical and Medical Images,
	2019, 10.1007/978-3-030-04061-1_1
	Gandhi, N., Nagababu, G., & Vistapalli, J. (2021). Modeling and Kinematic Analysis of a
18	Robotic Manipulator for Street Cleaning Applications Using Screw Theory. In Advances in
10	
	Industrial Machines and Mechanisms (pp. 609-618). Springer, Singapore.
10	Singh, J., Singh, G., & Pandey, P. M. (2021). Additive manufacturing of functionalized
19	nanomaterials for the modern health care industry. In Additive Manufacturing with
	Functionalized Nanomaterials (pp. 55-85). Elsevier.
20	Raj, S. (2021, June). Adaptive Control of PVTOL using H∞ based Integral Sliding Mode
20	Control. In 2021 International Conference on Intelligent Technologies (CONIT) (pp. 1-6). IEEE.
	Manoj Sai, P., Nithin Sai, G., Nizami, T.K., Puja Manohari, B., Gopi Krishna, P. (2022). Design
	of Fast Battery Charging Circuit for Li-Ion Batteries. In: Kumar, R., Ahn, C.W., Sharma, T.K.,
21	Verma, O.P., Agarwal, A. (eds) Soft Computing: Theories and Applications. Lecture Notes in
	Networks and Systems, vol 425. Springer, Singapore.
	Manoj Sai, P., Baji, M.D.S., Lakshmi, S., Nizami, T.K. (2022). Exhaustive Search Approach to
22	Place PV in Radial Distribution Network for Power Loss Minimization. In: Kumar, R., Ahn,
	C.W., Sharma, T.K., Verma, O.P., Agarwal, A. (eds) Soft Computing: Theories and
	Applications. Lecture Notes in Networks and Systems, vol 425. Springer, Singapore.
	Neve, D., Joshi, S., Dhiman, H.S., Nizami, T.K. (2022). Global Horizontal Solar Irradiance
23	Forecasting Based on Data-Driven and Feature Selection Techniques. In: Kumar, R., Ahn,
	C.W., Sharma, T.K., Verma, O.P., Agarwal, A. (eds) Soft Computing: Theories and
	Applications. Lecture Notes in Networks and Systems, vol 425. Springer, Singapore.

24	Mahesh Kumar Ravva, Ravinder Pawar, Shyam Vinod Kumar Panneer, Venkata Surya Kumar Choutipalli, Venkatesan Subramanian, Effect of Both Structural and Electronic Confinements on Interaction, Chemical Reactivity and Properties, Chemical Reactivity in Confined Systems: Theory, Modelling and Applications, 2021, Wiley
25	Gowd, S. C., Kumar, D., Rajendran, K. 2021. A case study on integrated systems analysis for biomethane use. Green-Economy: Systems Analysis for Sustainability, 2022, 231-242 (Elsevier).
26	Veluchamy, C., Loganath, R., Sharma, D., Gowd, S.C., Rajendran, K., Varma, V.S., 2021. Recovery of value-added materials from wastewater. Curr. Dev. Biotechnol. Bioeng. 175–196.
27	Kondusamy, D., Kaushal, M., Ahlawat, S., Rajendran, K., 2021. The role of techno-economic implications and governmental policies in accelerating the promotion of biomethane technologies. Emerg. Technol. Biol. Syst. Biogas Upgrad. 447–466.
28	Shahid, M.K., Kashif, A., Pathak, P., Choi, Y., Rout, P.R., 2022. Water reclamation, recycle, and reuse", Clean Energy and Resource Recovery, Wastewater Treatment Plants as Biorefineries, Vol. 2, Pages 39-50, Elsevier, ISBN 978-0-323-90178-99 https://doi.org/10.1016/B978-0-323-90178-9.00028-7
29	Pathak, P., Pathak, S., 2022. Electronic waste: An Emerging Contaminant in the Geoenvironment, Emerging Contaminants in the Environment, Elsevier, 275-286, ISBN 978-0-323-85160-2, https://doi.org/10.1016/B978-0-323-85160-2.00018-4.
30	Pathak, P., Chabhadiya, K., 2022. Recycling of Rechargeable Batteries: A Sustainable Tool for Urban Mining, In: Baskar C., Ramakrishna S., Baskar S., Sharma R., Chinnappan A., Sehrawat R. (eds) Handbook of Solid Waste Management. Springer, Singapore, Pages 1635-1652, ISBN 978-981-16-4230-2. https://doi.org/10.1007/978-981-15-7525-974-1.
31	Chand, S., Rout, P.R., Pathak, P., 2021. Basic concepts, Potentials and Challenges of Urban Mining, In: P. Pathak, P.R. Rout, Sustainable Approaches of Urban Mining for Waste Management and Resource Recovery, CRC Press of Taylor & Francis group, Pages 1-15, ISBN 9781003201076.
32	Pathak, P., Sinha, S., 2021. Valorisation of waste tires into fuel and energy, Advanced Technology for the Conversion of Waste into Fuels and Chemicals, Vol. 2, Pages 109-122, Elsevier, 978-0-323-90150-5.
33	Chabhadiya, K., Pujara, Y., Patel, H.T., Govani, J., Pathak, P., Mashru, D., 2021. Different Treatment Technologies used for Municipal Solid Waste Management in India: Material & Energy Recovery, Waste Management Policies and Practices in BRICS Nations, CRC Press of Taylor & Francis group, Pages 1-14, ISBN 9781003007579.
34	Pathak, P., Bhattacharya, D., 2021. Phytoextraction of heavy metals by weeds: Physiological and molecular intervention, Handbook of Bioremediation: Physiological, Molecular and Biotechnological Interventions, Elsevier, Pages 49-59, ISBN 978-0-12-819382-2, https://doi.org/10.1016/B978-0-12-819382-2.00004-1.
35	S Ananda Rao, Mohana Rao, B. (2022). "Is There an End to the Currency Crisis in Turkey?: An Empirical Investigation". Studies in International Economics and Finance. India Studies in Business and Economics. Springer, Singapore
36	Joseph.S.D., Sasikala S, and Kumar A.V, Framework to Navigate the Virtual Classroom Space, in Edition Basic Communication Assessment Prerequisites for the New Normal of Education, 2021.IGI Global.
37	Ashrafunnisa Md and Kamesh.AVS.Evaluating the Role of Workplace Well-Being in Enhancing Employee Productivity in the 21st Century, in edited book titled Transforming Lives through Mindfulness published by IIM Bodhgaya and Excel India Publishers, ISBN: 978-93-91355-39-5, January 2022, First Edition

#### Conference presentations

- Kishore Babu Modukuri, Divya Chaturvedi, and Goutam Rana," Substrate Integrated Waveguide Based Periodic Leaky Wave Antenna with Low Stopband." In 2021 IEEE Indian Conference on Antennas and Propagation (InCAP), pp. 1027-1030. IEEE, 2021.
- 2. Siva Sankar S. Susan "Design of 6.7 GHz ~7. 518 GHz Cross Coupled LCVCO in 180nm CMOS Technology" International Conference on Computing Methodologies and Communication 2021
- 3. Ghosh, A., Ramakant, P., Ranjan, P., Deshpande, A., Janardhanan, R.," EMD-Based Binary Classification of Mammograms", In: Gupta, M., Ghatak, S., Gupta, A., Mukherjee, A.L. (eds) Artificial Intelligence on Medical Data. Lecture Notes in Computational Vision and Biomechanics, vol 37. Springer, Singapore, 2023
- 4. P. P. Koundinya, S. K. Reddy Y, V. M. Deepak, K. Rutwesh and A. Deshpande, "Test Set Generation for Multiple Faults in Boolean Systems using SAT Solver," 2021 12th International Conference on Computing Communication and Networking Technologies (ICCCNT), 2021, pp. 1-5.
- 5. P. S. Satish Pokala, S. K. Saripudi, P. Maringanti and A. Deshpande, "Indoor Ball Tracking and Striking System using UAV," 2021 12th International Conference on Computing Communication and Networking Technologies (ICCCNT), 2021, pp. 01-06.
- R. Haridasu, N. N. Shaik and S. Chinnadurai, "Bluetooth Based Vehicle to Vehicle Communication to Avoid Crash Collisions and Accidents," 2021 12th International Conference on Computing Communication and Networking Technologies (ICCCNT), 2021, pp. 1-5, doi: 10.1109/ICCCNT51525.2021.9579849.
- 7. Vemuru PurrnaPrasad & P. K. Sanki, "In Vivo Detection of Random Blood Glucose Level in a Non-Invasive Manner using Photoacoustic Signal and Body Mass Index," in IDF 2022 Congress, Portugal, 5-8 December 2022, Abstract number: LI2022-1329. (Accepted)
- 8. P. K. Sanki, Bevara Vasudeva, Depthi Supriya, Vignesh, Sai Harshath, & Sravya Kuchina, "VLSI Implementation of a Real-Time Modified Decision-Based Algorithm for Impulse Noise Removal", IEMTRONICS 2022, International IOT, Electronics and Mechatronics Conference, Toronto, Canada, June 01-04, 2022. (Presented)
- 9. P. N. S. B. S. V. P. V, N. Katragadda, M. P, and P. K. Sanki, "Lead-Free Transducer Design for Non-invasive Continuous Glucose Monitoring using Photoacoustic Spectroscopy", First International Conference on Technologies for Smart Green Connected Society, Société Pour l'avancement des Arts, de la Science et de la Technologie (SPAST), SPAST Abs, vol. 1, no. 01, Oct. 2021.
- 10. P. K. Sanki, "VLSI Architecture for Depth Invariant Real-time Fixed/Random Valued Impulse Noise Removal Algorithm for Back-end of Ultrasonography Systems", First International Conference on Technologies for Smart Green Connected Society, Société Pour l'avancement des Arts, de la Science et de la Technologie (SPAST), SPAST Abs, vol. 1, no. 01, Sep. 2021.
- 11. V. Bevara & P. K. Sanki, "An Ultra-Low Power Reversible MUX and DEMUX Using QCA Nanotechnology With Energy Dissipation", 7th IEEE International Symposium on Smart Electronic Systems (iSES) 2021, MANIT, Jaipur, India, December 20-22, 2021. (Presented)
- 12. V. Bevara & P. K. Sanki, "Design of Efficient Median Filter in Quantum-dot Cellular Automata with Energy Dissipation", First International Conference on Technologies for Smart Green Connected Society, Société Pour l'avancement des Arts, de la Science et de la Technologie (SPAST), SPAST Abs, vol. 1, no.01, Sep. 2021.

- 13. A. Hussain Syed, V. Bevara, and P. K. Sanki, "Performance Analysis of an Efficient Comparator Using Memristor-CNTFETs", First International Conference on Technologies for Smart Green Connected Society, Société Pour l'avancement des Arts, de la Science et de la Technologie (SPAST), SPAST Abs, vol. 1, no. 01, Oct. 2021.
- 14. V. Bevara, P. K. Sanki, Srinu Bevara, "A novel hardware architecture of Decision-Based Adaptive Denoising Algorithm for removing salt & pepper noise", First International Conference on Technologies for Smart Green Connected Society, Société Pour l'avancement des Arts, de la Science et de la Technologie (SPAST), SPAST Abs, vol. 1, no. 01, Sep. 2021.
- 15. S. Rajak and S. Chinnadurai, "Is massive MIMO good with practical power constraints?," 2021 12th International Conference on Computing Communication and Networking Technologies (ICCCNT), 2021, pp. 1-3, doi: 10.1109/ICCCNT51525.2021.9580119.
- Y. Avinash, N. R. Sagar and S. Chinnadurai, "Voice Automation Agricultural Systems using IOT," 2021 12th International Conference on Computing Communication and Networking Technologies (ICCCNT), 2021, pp. 1-4, doi: 10.1109/ICCCNT51525.2021.9579842.
- 17. G Kaniska Reddy, Bh. Akanksha Sahitya and A. Ghosh, "Size Analysis of Brain Tumor from MRI Images Using MATLAB", in proceedings of 12th IEEE International Conference on Computing, Communication, And Networking Technologies (ICCCNT), Kharagpur, West Bengal, India, July 6 8, 2021
- 18. S. Gummadi and A. Ghosh, "A transfer Learning Based Approach for Detecting COVID-19 with Radiography Images", in proceedings of 12th IEEE International Conference on Computing, Communication, and Networking Technologies (ICCCNT), Kharagpur, West Bengal, India, July 6 8, 2021.
- 19. S.D. Gummadi, Y. Vootla, A. Ghosh, P.N. Kartheek, A.K. Kandimalla, "Transfer Learning Based Detection of Pneumonia from Chest X-Ray Images", in proceedings of 13th IEEE International Conference on Computational Intelligence and Communication Networks (CICN), Lima, Peru, September 22 23, 2021.
- S.D. Gummadi, Y. Vootla, A. Ghosh, "Computerized Detection of Malaria with Transfer Learning", in Proceedings of IEEE International Conference on Computing, Communication and Green Engineering (CCGE), Maharashtra, India, September 23 – 25, 2021
- 21. A. Ghosh, P. Ramakant, P. Ranjan, "EMD Based Binary Classification of Mammograms with Novel Leader Selection Technique", in proceedings of 2nd IEEE Applied Electromagnetics, Signal Processing & Communication (AESPC), Bhubaneswar, India, November 26 28, 2021.
- 22. P. Neelamraju, S. Segu, A. Ghosh, "Analysis of Eucalyptus Regnans Form Characteristics", in proceedings of 11th IEEE International Conference on Communication Systems and Network Technologies (CSNT), Indore, India, April 23 24, 2022.
- 23. A. Ghosh, P. Ranjan, N S Chilamkurthy, R. Janardhanan, P. Ramakant and R. Gulati, "Binary Classification of Mammograms using Horizontal Visibility Graph", in proceedings of 1st Springer International Conference on Intelligent Systems and Applications (ICISA), Pune, India, May 4 6, 2022
- 24. R. Maharajan, "Wake on Radio based Medium Access Control Protocol for Wireless Sensor Networks," 2022 IEEE IAS Global Conference on Emerging Technologies (GlobConET), 2022, pp. 562-568, doi: 10.1109/GlobConET53749.2022.9872519.

- 25. V. Chandra, I. Muniraj and S. Chinnadurai, "An under complete autoencoder for denoising computational 3D sectional images," in Imaging and Applied Optics Congress 2022 (3D, AOA, COSI, ISA, pcAOP), paper JW2A.19.
- Vineela Chandra Dodda, Lakshmi Kuruguntla, Karthikeyan E. "Seismic Horizon
   Estimation Based on Deep Learning Technique" ECS Transactions 2022
- 27. Sunil Chinnadurai "A patch-based denoising approach using under-complete autoencoder for photons counted 3D images" Imaging and Applied optics, Canada 2022
- 28. Anirban Ghosh, Pavan Mohan, Sunil Seggu "Analysis of Eucalyptus Regnans Form Characteristics" IEEE CSNT 2022
- Anirban Ghosh, Naga Srinivasarao Chilamkurthy Priya Ranjan, et.al. "Binary Classification of Mammograms using Horizontal Visibility Graph" Springer Lecture Notes in Electrical Engineering 2022
- 30. Anirban Ghosh, Dheeraj Gummadi, Yeshwanth Vootla "Transfer Learning-based Classification of Plasmodium Falciparum Parasitic Blood Smear Images" IEEE ISDFS 2022
- 31. Dr. Pradyut Sanki, V. Bevara, et al. "VLSI Implementation of a Real-time Modified Decision-based Algorithm for Impulse Noise Removal" IEMTRONICS 2022
- 32. Anirban Ghosh, Tanishq Chebrolu, VMVS Aditya "A Wearable Smart Face Shield" IEEE CONIT 2022
- 33. Dr. Pradyut Sankiy, "In Vivo Detection of Random Blood Glucose Level in a Non-Invasive Manner using Photoacoustic Signal and Body Mass Index", IDF 2022 Congress, Lisbon, Portugal, during 5-8 December 2022.
- 34. Dr. Anirban Ghosh "Millimeter Wave Vehicular Communication: From Channel Sounding to Standardization" IEICE Society Conference, Japan 2022.
- 35. Dr. Divya Chaturvedi, Buela Pramodini, Dr Goutam Rana "Design of a Compact HMSIW Cavity-Backed Dual-Band 4-Port MIMO Antenna" 27th Asia Pacific Conference on Communications (APCC) 2022.
- 36. Divya Chaturvedi "Antenna Multiplexer for IoMT Wireless Connectivity", 27th Asia Pacific Conference on Communications (APCC) 2022.
- 37. Anirban Ghosh, Dheeraj Gummad "Deep Residual Learning based Discriminator for Identifying Deepfakes with Cut-Out Regularization" IEEE AIC 2022.
- 38. K.K. Duru, P. Venkatachalam, C. Karra, A.A. Madhavan, K. Elumalai, and S. Kalluri, "Lithium-ion Battery Model Parameters Estimation Using Equivalent Circuit Model for E-mobility Applications", ECS Trans., Accepted.
- 39. Bevara Vasudeva, Bevara Srinu, and P. K. Sanki, "VLSI Architecture of Decision Based Adaptive Denoising Filter for Removing Salt & Pepper Noise," in ECS Transactions 107, no. 1 (2022): 18423, 2022.
- 40. Jadhav, P. (Dec. 2021) Abradable coatings: Design through mcrostructure based models, Proc. 9th International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering. Roorkee, India.
- 41. Jammy, S. P., Thapa, S. B., & Thapa, S. B. (2021, Dec.). Sonic Jet Injection into a Supersonic Turbulent Crossflow. In Proceedings of the 26thNational and 4th International ISHMT-ASTFE Heat and Mass Transfer Conference December 17-20, 2021, IIT Madras, Chennai-600036, Tamil Nadu, India. Begel House Inc.
- 42. Ram, G. V., Sai, D. D., & Jammy, S. P. (2021, Dec.). Accelerating a Hypersonic CO 2 Reaction Solver. In Proceedings of the 26thNational and 4th International ISHMT-ASTFE Heat and Mass Transfer Conference December 17-20, 2021, IIT Madras, Chennai-600036, Tamil Nadu, India. Begel House Inc.

- 43. Jammy, S. P. (2022, Feb.). Automatic Code Generation from High Level Mathematical Abstractions. Society of Industrial and Applied Mathematics conference on Parallel Processing for Scientific Computing (SIAM PP22), Seattle.
- 44. Mayank Srivastava, Jasvinder Singh, Dipesh Kumar Mishra, Ravinder Pal Singh, "Review on the various strategies adopted for the polishing of silicon wafer A chemical perspective", Materials Today: Proceedings, 63, 2022:62-68.
- 45. Mathiyazhagan, S., & Maganti, L.S. (2021, July). Thermal Management of Multi Core Processor Using U Configured Parallel Microchannel Cooling System. International Symposium on Fluids and Thermal Engineering (FLUTE 2021), Noida, India.
- 46. Mathiyazhagan, S., & Maganti, L.S. (2021, Nov.). The Effect of Rim Angle and Dish Diameter on the Heat Flux Distribution Characteristics of a Concentrated Solar Dish Collector. International Conference on Green Energy and Technology (GreenTech 21), Chennai, India.
- 47. Sudhir Raj, Adaptive control of PVTOL using H∞ based Integral Sliding mode Control, International Conference on Intelligent Technologies (2021), Hubli, India, June 25-27, 2021, (INSPEC Accession Number: 21174498)
- 48. Sudhir Raj, Stabilization of Ball Balancing Robots using Hierarchical Sliding Mode Control with State-Dependent Switching Gain, International Conference on Robotics, Control and Computer Vision (2022), NIT Uttarakhand, India, February 19-20, 2022.
- 49. Sudhir Raj, Adaptive Control for Stabilization of Ball and Beam System using H infinity Control, International Conference on Robotics, Control and Computer Vision (2022), NIT Uttarakhand, India, February 19-20, 2022
- 50. Syed Zahid, Surfarazhussain S. Halkarni, Dr. Tapan Kumar Hota, Effect of Time-dependent injection velocity on a finite miscible sample in porous media, 66th Congress of Indian Society of Theoretical & Applied Mechanics ISTAM-2021
- 51. Syed Zahid, Surfarazhussain S. Halkarni, Dr. Tapan Kumar Hota, Simulation of time injection strategy for a finite miscible slice in porous media, 48th National Conference on Fluid Mechanics and Fluid Power [FMFP] 2021
- 52. K. George, R. Padmanabhan, The 7th IEEE Indian Control Conference (ICC),2021.
- 53. K. George, IEEE India International Conference (INDICON),2021.
- 54. K. George, M. Shetty, S. Choragi, The 7th IEEE Indian Control Conference (ICC), 2021.
- 55. Dr. Shubh Lakshmi, SoCTA 2021, held during 17th to 19th December 2021 at IIIT Kota.
- 56. Dr Jayasree Subramanian attended a 3-day conference of the Mathematics Teachers Association held from 3rd to 5th September 2021.
- 57. Dr Jayasree Subramanian will be attending and presenting a paper (on the 25th of September) at the 11th International Mathematics Education and Society Conference to be held at the University of Klagenfurt, Austria, from 24th to 29th September 2021. I will also be heading the discussion groups following plenary lectures (https://conference2.aau.at/event/45/).
- 58. Dr Sayantan Mandal presented a paper titled "Interpolativity and Continuity of Similarity-Based Reasoning Fuzzy Inference" in IFSA EUSFLAT 2021, The 19th World Congress of the International Fuzzy Systems Association and The 12th Conference of the European Society for Fuzzy Logic and Technology
- 59. Dr Sayantan Mandal 19th World Congress of the International Fuzzy Systems Association (IFSA), 12th Conference of the European Society for Fuzzy Logic and Technology (EUSFLAT), and 11th International Summer School on Aggregation Operators (AGOP) 2021.

- 60. Aditya Vmvs, Tanishq Ch.T.S., Chaitanya Badri Sai V, Sateesh krishna Dhuli and Fouzul Atik, "IoT Based Water Level Monitoring System for Dams", 12th International Conference on Computing, Communications, and Networking Technologies (ICCCNT 2021), weblink: IEEE conference (https://12icccnt.com/)
- 61. Ayesha Sameer Sheikh, Keerthi Annem, Sateesh krishna Dhuli, Guntakala Likhita, Venkata Naga Jahnavi B. S. and Fouzul Atik, "A Novel Security System for IoT Applications", 12th International Conference on Computing, Communications, and Networking Technologies (ICCCNT 2021). weblink: IEEE conference (https://12icccnt.com/)
- 62. S. Zahid, Tapan K Hota, and S. Halkarni, "Simulation of time injection strategy for a finite miscible slice in porous media" ID No. FMFP2021-06-141 accepted for publication in Proceedings of the FMFP conference by Springer Publisher.
- 63. T. K. Hota, Z. Syed, and S.S. Halkarni, "Effect of time-dependent injection velocity on a finite miscible sample in porous media," Published in e-proceedings of 66th ISTAM Congress 2021.
- 64. S. Mandal, B. Jayaram, Interpolativity and Continuity of Similarity-Based Reasoning Fuzzy Inference, 19th World Congress of the International Fuzzy Systems Association (IFSA), 12th Conference of the European Society for Fuzzy Logic and Technology (EUSFLAT), and 11th International Summer School on Aggregation Operators (AGOP) 2021, 10.2991/asum.k.210827.047.
- 65. Jayasree Subramanian (2021). School Mathematics as a tool for spreading religious fundamentalism: The case of Vedic Mathematics in India. Proceedings of the 11th International Conference of Mathematics Education and Society. https://www.mescommunity.info/proceedings/MES11.pdf
- 66. Dr A.Lakshmana Rao, Impact of various methods of learning in Higher education in the emerging environment, IIM-V & AIB South Asia Conference, Jan 2022
- 67. Dr Shaheen, "The Islamist Disenchantment: A Case Study from Kerala, 1979-1992" in a workshop on disenchantments of the 1970s workshop organised by Max Plank Institute for Human Development Berlin on 5th November 2021.
- 68. Dr Malavika Binny, "Tracing the contours of hate speech in India: the case of Muslims and Dalits during the Covid-19 pandemic in India", at the 3rd International Workshop on Hate Speech in Asia and Europe, on 27the August 2021.
- 69. Dr Ninad, Assistant Professor, Department of Psychology, co-authored a conference paper, "Relationship between blogging styles, attachment, and psychological well-being", that was presented at the Singapore Conference of Applied Psychology (SCAP 2021) from December 9-10, 2021.
- 70. Dr Aehsan Ahmad Dar, Assistant Professor, Department of Psychology, presented a paper, "Challenges faced by the Youth in Kashmir; A Conflict Zone", in the Youth Global Summit- 2022; at the International Conference held during 15-17 March 2022 at Rajiv Gandhi National Institute of Youth Development (RGNIYD), Sriperumbudur, India in Association with UN Volunteers India, Institute of School-Based Family Counselling, USA, National Institute of Technology Uttarakhand, India, and Sponsored by the Council of Social Science Research, Ministry of Education, Government of India.
- 71. CA. Dr Mahalakshmi Mudliar, Associate Professor, Department of Management, "Sustainable Development and Social Innovation in Commerce, Management and Information and Technology", T.Z.A.S.P Mandal's Pragati College of Arts & Commerce, Mumbai, December 10, 2021 (ISSN-2277-8721)

72. Lalita Mohan Mohapatra, Assistant Professor, Effect of FDI on Unemployment: Time series evidence from India, Conference on Excellence in Research and Education (CERE), IIM Indore, 18-20th June 2021,

### **Patents**

S1. No	Inventor Name (s)	Title	Indian or Others	Status
1	Vazhora Malayil, Manikandan Yadlapalli, Sai Harshini Kondapally, Jagruth Ravi, Srihitha Chauhan, Shikha	A novel video retrieval system and method based on textual information	Indian	Published
2	Vazhora Malayil, Manikandan Buggaveeti, Padmaja	A reversible data hiding system and method for image transmission	Indian	Published
3	Vazhora Malayil, Manikandan Kandala, Sree Rama Murthy	A system to facilitate secure transmission of an image along with embedded text	Indian	Published
4	D. R. Denslin Brabin, Sriramulu Bojjagani And K. Kalai Kumar	Edge computing based low Computational image Processing system for Intruder detection	Indian	Published
5	Kshira Sagar Sahoo, M. Tiwari, M. Bilal	In-memory management system and methods using user traffic	US	Appication accepted
6	Dr. Sobin CC, N.P Subheesh, Jahafar Ali, Meka Varsha	A method and system and tool based on deep learning classification in Individual learning	Indian	Published
7	Hiren Kumar Thakkar, Mayank Swarnkar, Hrushikesh Shukla, Priyanka Singh	A malware detection system to identify malicious files and a method thereof	Indian	Appication accepted
8	G. S. Vinod Kumar and D.N. Bhosale	A Process for Preparing Magnesium Foams	Indian	Granted on August 2021
9	Shaik Hassan, Bhargava Vijay, Meghna Bonthu, Jithin Peram	A comprehensive disinfection system during pandemic for personal items and protective equipment to safeguard people	Indian	Published
10	Prakash Jadhav	A blade for a rotary machine and a method of manufacturing the blade	Indian	Published
11	G. S. Vinod Kumar and D.N. Bhosale	Closed cell Magnesium alloy foams stabilized by fly ash particles and a method for preparation of the same	Indian	Published
12	Nimai Mishra V. G. Vasavi Dutt, and Syed Akhil	Application Number: 202141056603, Publication Date: 10/12/2021	Indian	Published

	Nimai Mishra, V. G. Vasavi	Application Number:		
13	Dutt, and Syed Akhil,	202141043103, Publication Date: 01/10/2021	Indian	Published
14	Nimai Mishra Syed Akhil,	Application Number: 202141040020, Publication	Indian	Published
	and, V. G. Vasavi Dutt,	Date: 10/09/2021	221002002	1 0.011011001
		Highly Stable Ruthenium Single-Atom Catalysts on		
15	Ranjit Thapa	Fe3O4/MWCNTs for	Indian	Filed
		Hydrogen Evolution Reaction		
		A method and set-up for characterization of		
16	Pranab Mandal	temperature dependence of	Indian	Filed
		impedance, relative dielectric constant		
		Two-Dimensional		
17	Jatis Kumar Das	Transition Metal Oxide Layers And A Method For	Indian	Filed
		Their Synthesis		
		Ruthenium clusters on iron oxide/mwcnts catalysts -		
18	Ranjit Thapa	method of preparation and	Indian	Filed
		their hydrogen evolution reaction application		
19	Pranab Mandal (Co-inventor)	Piezoelectric sensor and a method for its preparation	Indian	Filed
				FER
20	Sujith Kalluri	Battery Holder for a Bike,	Indian	Examination Report
		A.C. sets as a 1 - Method for		Submitted
21	Vemuru PurrnaPrasad, Syed Ali Hussai, Pranab Mandal	A System and a Method for Non-Invasive Measurement	Indian	Published
21	and P. K. Sanki	of Glucose Concentration in a Body	maian	rublished
	Syed Ali Hussai, Vemuru	Performance & Analysis of		
22	PurrnaPrasad, V. Bevara, and	Hybrid Universal Logic Gates Using Memristros	Indian	Published
	P. K. Sanki	and CNTFET		
22	Vemuru PurrnaPrasad, K. NagaMalleswari, V. Bevara,	Piezoelectric Sensor & a	T., 4:	D. 1.1: 1 1
23	Syed Ali Hussai, Pranab	Method for its Preparation	Indian	Published
	Mandal & P. K. Sanki			

## **Contributed Talks and Poster Presentations**

Sl. No	Faculty Member Name	Name of the conferences/seminars/workshops/ events
1	Dr Dinesh Reddy Vemula	"Quantum Computing and Communications: New Paradigm", Dec 27-31st, 2021, SRM University [4] AP.
2	Dr Morampudi Mahesh Kumar	Art of Algorithm writing and Computer Programming
3	Dr Jatindra Kumar Dash	FDP (Glimpse on Modern day Computing: IoT, AI, ML & Its Applications)
4	Dr V. M. Manikandan	Webinar on Computer Science at SRM AP - Opportunities and Career Prospects
5	Dr Murali Krishna Enduri	Webinar on Computer Science at SRM AP - Opportunities and Career Prospects
6	Dr Kshira Sagar Sahoo	FDP (Glimpse on Modern day Computing: IoT, AI, ML & Its Applications)
7	Dr Anabik Pal	Deep Learning: From Perceptrons to Transformers
8	Jatindra Kumar Dash	UGC Sponsored National Seminar on Application of ML in MEdicine and Agriculture
9	Dr Anabik Pal	Deep Learning: From Perceptrons to Transformers
10	Dr Jatindra Kumar Dash	UGC Sponsored NAtional Seminar on Application of ML in MEdicine and Agriculture
11	Dr ManikandanV. M.	One day workshop on "An Introduction to Document Preparation using LaTex"
12	Dr Shubham Gupta	Online seminar on User's Trust on Cloud-based Services
13	Dr M Mahesh Kumar	Expert Lecture on "Biometric Template Security"
14	Dr Akash Anil	Applied Data Science: Tools and Techniques
15	Dr Akash Anil	Application of Data Science and Machine Learning in Engineering
16	Dr P. Kumaran	How to write a Research Article?
17	Dr Kshira Sagar Sahoo	ATAL FDP on "Cyber Security for Internet of Things"
18	Dr A.N.Murthy	A lecture on 'Mining and Mineral Resources Scenario of Critical Non-fuel Minerals of India' delivered in a workshop organized by Geological Survey of India, Hyderabad on 19/7/2021 by virtual mode.
19	Dr Mahesh Kumar Ravva, Resource Person	A Six Day online FDP program with hands-on experience on "Applications Of DFT In Teaching And Learning Chemistry, Physics And Material Science – With Software For Chemistry And Materials (SCM-AMS)" Apr 19-24 <sup>th</sup> 2021, NIT Warangal
20	Dr Karthik Rajendran	V International Conference on Sustainable Energy and Environmental Challenges (V SEEC) organised by ISEES.

21	Dr Karthik Rajendran	International Online Colloquium on Prospects in Bioenergy Research at Arunai engineering college, Tiruvannamalai
22	Dr Javid Ahmad Dar	Four-day workshop on "Plant Ecophysiology Research Workshop" December 5-8, 2021, Kerala Forest Resource Institute, Peechi, Kerela.
23	Dr Javid Ahmad Dar	Engaged the session on the topic "Biodiversity and Carbon dynamics in temperate forests of Himalaya" on 18-03-2022 in the Short-Term Course in Biodiversity & Ecology from 15.03.2022 to 21.03.2022, organised by the UGC- Human Resource Development Centre, Kannur University, Kerala.
24	Dr Jayasree Subramanian	Presented a paper in the Topic Study Groups on Equity in the 14 <sup>th</sup> International Congress of Mathematics Education, July 2021
25	Dr Salome	Workshop on Academic Writing, on 18 th November 2021, Department of Counseling Psychology, University of Madras
26	Dr Salome	IQAAC workshops, 2021, Jain College, Chennai and Christ University, Bengaluru.

### **Awards and Honours**

Sl. No	Faculty Member Name	Name of the Award/Honor
1	Dr Sabyasachi Chakrabortty,	Appointment as Adjunct Research Fellow in the Organic Electronics Research Centre, Ming Chi University of Technology, New Taipei City, Taiwan.
2	Dr Karthik Rajendran	Top 2% highly cited scientist in the field of energy prepared by Stanford university.
3	Dr Tousif Khan N	2022- Advisor, IEEE Student Branch, SRM University AP
4	Dr Tousif Khan N	APJ Abdul Kalam Memorial International Travel Award
5	Dr Shubh Lakshmi & Dr. Tousif Khan N	STEM-research society best paper award
6	Dr S.Sumalatha, Department of Computer Science Engineering	Gold medal for the paper presentation with UG students on Research Day, SRM University AP.
7	Dr V. M. Manikandan, Department of Computer Science Engineering	Secured 3 Gold medals with UG students (Tracks: Cybersecurity, Software Application and Digital Technologies) for Research Day presentation, SRM University AP.
8	Dr Debanjan Konar Department of Computer Science Engineering	IEEE Senior Membership is an honor bestowed only to those who have made significant contributions to the profession.
9	Dr Kshira Sagar Sahoo Department of Computer Science Engineering	Active researcher in the field of Engineering (University rank: 11 Country Rank: 11090 Region Rank: 75315) by AD Scientific Index

10	Dr Manjula R Department of Computer Science Engineering	Recognized as FELLOW and Chartered Engineer by the Institute of Engineers, India. (F-1287571)
11	Dr Sujith Kalluri, Assistant Professor, Department of Electronics and Communication Engineering	ICTSGS Service Award for Sustainable Development Goals
12	Dr Sujith Kalluri, Assistant Professor, Department of Electronics and Communication Engineering	Elected as Hon. Secretary, IETE Vijayawada Chapter, India

# National and International Visits

S1. No	Faculty Member Name	Countries of visit	Dates	Purpose	Othe r detai ls
1	Dr Somesh Vinayak Tewari	INDIA	16 <sup>th</sup> -19 <sup>th</sup> February	Oral presentation at the DAE -BRNS International Symposium on Vacuum Science Technology and its Application in Accelerators (VSTAA-2022) to be DAE Convention Centre BARC Mumbai	
2	Dr Tousif Khan N	INDIA	15 <sup>th</sup> November 2021 to 15 <sup>th</sup> November 2021	Structured model- following neuro- adaptive design for attitude maneuver of rigid bodies	
3	Dr Tousif Khan N	INDIA	29 <sup>th</sup> April, 2022	Progress Meeting related to SRM-Amara Raja Center for Energy Storage Devices at Tirupati	

## **Institutional and Industrial Visits**

Sl. No	Faculty Member Name	Name of the Institute	Date & Purpose
1	Dr. G. S. Vinod Kumar	INDSAT Corporation, Chennai	27-29 July 2021
2	Dr. G. S. Vinod Kumar	ISRO Head Quarters, Bangalore	8 <sup>th</sup> March 2022 Discussion Meeting with ISRO Chairman
3	Dr. G. S. Vinod Kumar	WHP Sons, Thane, Mumbai	16th March 2022
4	Dr. Jasvinder Singh	Indian Institute of Technology Hyderabad	November 17, 2021 For discussing about the collaborative work with IITH and performing some trial experiments.
5	Dr. Lakshmi Sirisha Maganti	National Institute of Solar Energy, Gurugram	June 25, 2022 Collaboration discussion
6	Dr. Surfarazhussain S. Halkarni	Amaron Batteries Limited, Tirupati	April 29, 2021 For collaboration of Industrial sponsored project work
7	Dr Somesh Vinayak Tewari	Bhabha Atomic Research Centre (BARC) Visakhapatnam (Technical discussion and Experiments)	Jan. 3 <sup>rd</sup> -14 <sup>th</sup> 2022 18 <sup>th</sup> -22 <sup>nd</sup> July 2022
8	Dr Tousif Khan N	Indian Institute of Science Bangalore, Karnataka	November, 15 <sup>th</sup> 2021 to January, 5 <sup>th</sup> 2022
9	Dr Karthik Rajendran	Murugappa group, Chennai	February 10, 2022 Collaboration initiation discussion (Online)
10	Dr Tapan Kumar Hota	IIT Gandhinagar	Research Collaboration, 02/01/2022 to 10/01/2022
11	Dr Pradyut Kumar Sanki	AIIMS, Mangalagiri	July 20, 2022 Research Collaboration initiation discussion

## **Invited Lectures**

S1	S1. Name of the		
No.	delegate & affiliation	Topic	Date (s)
1	Dr V. M. Manikandan, Dr Satish Anamalamudi	Neoteric Frontiers in Cloud and Edge Computing, Dr Rajkumar Buyya, Professor and Director of the Cloud Computing and Distributed Systems (CLOUDS) Laboratory at the University of Melbourne, Australia.	July 21st, 2021, Online
2	Dr Satish Anamalamudi	"Crop Darpan: Towards building a smartphone- based system for improving the efficiency of every farm of India Resource Person: Prof. P. Krishna Reddy	September 8th, 2021.
3	Dr Dinesh Reddy Vemula	"Who invented this? On the Origin of Disruptive Technologies"."Prof. Marco Aiello, Head of Department, Institute for Architecture of Application Systems Service Computing, University of Stuttgart."	January 7th, 2022.
4	Dr Manjula R	Er. Divya M G, Senior Member, IEEE, Joint Director, CPSF & Admin Group, at Centre for Development of Advanced Computing (C-DAC), Knowledge Park, Bangalore	March 12th, 2022.
5	Prof. G. S. Vinodh Kumar	Brainstorming session in Workshop of Metallurgical innovation of Gold (Panelist) National Institute of Design, Gandhinagar, jointly with World Gold Council.	March, 2 <sup>nd</sup> 2021
6	Prof. G. S. Vinodh Kumar	Brain storming session- Light Weight materials: Metallic Foams (Panelist), CSIR-Human Resource Development Centre, Gaziabad	July, 8th 2021
7	Prof. G. S. Vinodh Kumar	FDP on Recent Advances in Functional Materials: Design, Development and Applications (Panelist), SRMIST, Chennai	March- 09-13, 2022
8	Dr Uma Maheswar A	Invited for an expert lecture as part of the 1-week online FDP. Sreyas Institute of Engineering and Technology, Hyderabad, Telangana	April 26, 2021 - May 01, 2021
9	Dr Uma Maheswar A	Delivered an expert talk on "Modern era AASHTOW are Pavement Mechanistic-Empirical Design – Can it be a future design methodology for Indian conditions?" PDEU University, Gandhinagar, Gujarat	April 19, 2021
10	Dr A. N.Murthy	A virtual talk organised on 'India's initiatives on Polar and Ocean Research' by Dr M.V.Ramesh, Sr Scientist, National Center for Polar and Ocean Research (NCPOR) GOI, SRM University, AP Campus	Oct. 23 <sup>rd</sup> 2021,
11	Dr Sutharsan Govindarajan	Prof. Ashok Banerjee memorial seminar series - School of Biotechnology, Amrita Vishwa Vidyadeepam Title: The enigmatic lifestyle of jumbo-bacteriophages	Dec. 02 <sup>nd</sup> 2021, Webinar
12	Dr Sutharsan Govindarajan	Alumni Lecture series -1 , Department of Biotechnology, Thiagarajar College, Madurai Title: Bacterial CRISPR and phage anti-CRISPR - A microbial warfare	Dec. 24 <sup>th</sup> 2021, Webinar
13	Dr Rajapandiyan Panneerselvam	National Conference on "Advanced Materials and its Applications (NCAMA-22)". Karpagam Academy of Higher Education, Coimbatore, India.	May, 05-06, 2022

S1. No.	Name of the delegate & affiliation	Topic	Date (s)
14	Dr Rajapandiyan Panneerselvam	International Conference on Advances in Chemistry with Specific Reference to Catalysis, Sensors, Drug Delivery and Energy Materials (ICACSEM – 2022). University of Madras, India	March, (28-29), 2022
15	Dr Sabyasachi Chakrabortty	A postgraduate chemistry department seminar on "Engineering Smart Nanomaterials for Diagnostic and Photodynamic Therapy" Jagarlamudi Kuppuswamy Choudary (JKC) College, Guntur	26th November 2021
16	Dr Javid Ahmad Dar	Engaged the session on the topic "Biodiversity and Carbon dynamics in temperate forests of Himalaya" on 18-03-2022 in the Short-Term Course in Biodiversity & Ecology. Organized by the UGC-Human Resource Development Centre, Kannur University, Kerala.	March 15 <sup>th</sup> , 2022 to March 25 <sup>th</sup> 2022,
17	Dr Shweta Srivastav	Delivered an invited talk at the Department of Mathematics. University of Concepcion, Chile on	August 12th, 2021
18	Dr Tapan Kumar Hota	Delivered a colloquium lecture on 'Interfacial Stability in Porous Media' at the Department of Mathematics, Concepción, Chile	Oct. 21st 2021 (online).
19	Prof. V. Kannan	Delivered a colloquium lecture on "Beauty of Mathematics, Sri Sai University, Chennai on	Oct. 18th 2021
20	Prof. V. Kannan	Two-hour online lecture on "Olympiad level problems" organized by APAMT (Andhra Pradesh Association of Mathematics Teachers).	Oct. 25th 2021,
21	Dr Prakash Kumar	Mathematical Modeling of Bioreactors in Tissue Engineering. Center for Data Science, Siksha 'O' Anusandhan, Bhubaneswar	Dec. 5 <sup>th</sup> 2021
22	Dr Prakash Kumar	Flow through deformable porous media: An application in tissue engineering. Mathematics and its applications 2021, jointly organized by alliance school of Applied Mathematics and Mizoram mathematics society	Dec. 3 <sup>rd</sup> 2021
23	Prof. V. Kannan	The number $\pi$ in old Sanskrit books. University of Hyderabad,	March 15 <sup>th</sup> 2021
24	Prof. V. Kannan	Conjugacy classes of Polynomials. At Bhavan's Vivekananda College, Hyderabad,	Feb 2022.
25	Dr Tapan Kumar Hota	Linear Stability Analysis of Time- Varying Systems. IIT Gandhinagar,	Jan 2022
26	Prof. V. Kannan	Keynote address on Panchastavi. At Karnataka Sanskrit University,	Jan 2022
27	Prof. V. Kannan	Ancient Indian Mathematics vs. Mathematics elsewhere. At Sri Sai University, Chennai,	Nov. 2021
28	Dr Vijayakrishna Rowthu	Careful revisiting of the Statistical Notions. Dept. of Statistics, Andhra Loyola College, Vijayawada,	Oct 2021
29	Dr Vijayakrishna Rowthu	Derivatives in Clinical Diagnosis and Surgeries. Dept. of Mathematics, Andhra Loyola College, Vijayawada,	Oct 2021

Sl. No.	Name of the delegate & affiliation	Topic	Date (s)
30	Dr Jaysree Subramanian	Invited to give the 9 <sup>th</sup> Anna Mani Lecture on gender and mathematics titled 'There were axiomatics, we are empirical: The Indian Approach to gender question in Mathematics Education' https://astronsoc.in/wgge/9th-am-lecture	June 24 <sup>th</sup> 2021
31	Dr Jaysree Subramanian	Women, work and the Pandemic. SRM University-	March 8 <sup>th</sup> , 2021.
32	Dr L. N. Patro	Online five-day workshop on Advance Materials in Innovative Technology (AMITY 2021), BVRIT College of Engineering for Women, Hyderabad,	Dec. 14 <sup>th</sup> 2021 to Dec. 18 <sup>th</sup> 2021
33	Dr Divya Chaturvedi	Invited as session chair Technical Session - 5 (Paper Presentation) Recent Trends in Engineering and Technology (ICRTET) at ACERC Jaipur	March 12th and 13th 2021
34	Dr Divya Chaturvedi	Invited speaker for a session on "Carrier Guidance for the preparation of Govt. jobs" Shankara Institute of Technology Jaipur"	March, 2 <sup>nd</sup> -6 <sup>th</sup> 2021
35	Prof. Priya Ranjan	Invited as a speaker for a special session at SSM College of Engineering, Srinagar	10th Jan 2021
36	Dr. Anu Kuriakose	"Understanding Intersectionality in Feminist Discourses". Lecture Series on Gender Studies, Dept of English, Malabar Christian College, Kozhikode	March 28 <sup>th</sup> , 2022,
37	Dr. Anu Kuriakose	Dr. Anu Kuriakose "Hopes of Healing: Reflections on Post Pandemic Literature". Keynote address, National Research Conference 2021	
38	"The Many Significations of Cross Dressing in		Nov. 24 <sup>th</sup> , 2021
39	"Pleasure, Performance, and Violence: The Politics of Dr. Anu Transgender Kuriakose Representations in Malayalam Cinema". Research Forum, Dept of English, University of Calicut		Sept. 15 <sup>th</sup> , 2021
40	Dr. Anu Kuriakose	A Week of Reading(s) organised by the Literary Club, Govt College, Nedumangad, Thiruvananthapuram	June 19 <sup>th</sup> -26 <sup>th</sup> , 2021
41	Dr. Anu Kuriakose	Academic Discussion on Queer Inclusivity, Queerythm Lesbian Visibility Week Celebrations	April 28th , 2021
42	Dr. Soni Wadhwa	Invited Talk "Literatures of the Middle East". Webinar organised by V G Vaze College of Arts, Science, and Commerce.	July 31st , 2021
43	Dr Anandarao Suvvari	Invited as a resource person for Faculty Development Programme (FDP) on "Data Analysis using Econometric Models" Central University of Tamil Nadu	Feb. 11 <sup>th</sup> , 2022
44	Dr. Malavika Binny	"If Forest Could Talk- Exploring the Precolonial Imaginariea of the Forest", St. Teresa's College, Kerala	Nov. 10 <sup>th</sup> , 2021
45	Dr. Malavika Binny	"Are the Women in History? - Talk on Gender Sensitisation, UC College, Ernakulam	Dec. 6th, 2021
46	Dr. Maanvender Singh	Special Lecture Series on "Understanding Caste in India", Central University of Sikkim.	April 20 <sup>th</sup> -29 <sup>th</sup> , 2021

Sl. No.	Name of the delegate & affiliation	Topic	Date (s)
47	Dr. Maanvender Singh	"Understanding Modernity", Amity University, Noida	April 9th , 2021
48	Dr Balaguruprasad Narayanan	Title: - E-Learning Trends - Pandemic Learnings for a Post-Pandemic Classroom, AICTE ISTE Sponsored Online Induction program organised by Excel Engineering College, Namakkal, Tamil Nadu	
49	Dr Anupama Ghattu	Title: - Pedagogical Approaches towards Outcome Based Education (OBE). Royal College of Engineering and Technology, Akkikavu, Thrissur, Kerala	March 6 <sup>th</sup> 2022.

## Fellowships of Academia and membership in Professional Bodies

Sl. No	Faculty name	Awards / Professional society name	
1	Prof. T Ragunathan	IEEE, Life member of ISTE	
2	Prof. Radha Guha	IEEE, IEEE SIGHT Lifetime member of IETE	
3	Dr Murali Krishna Enduri	IEEE, IEEE Computer Society	
4	Dr Priyanka	IEEE, IEEE Young Professionals, IEEE Signal Processing Society Membership	
5	Dr Manikandan V M	IEEE Associate Member of The Institute of Engineers (India)	
6	Dr Jaya Lakshmi T	IEEE; ACM; CSI	
7	Dr Amit Kr Mandal	Member, IEEE Standard Association for Big Data Governance and Metadata Management Member, IEEE Cloud Computing Community Member, IEEE Big Data Community Member, IEEE Internet of Things Community Member, IEEE Computer Society Technical Council on Software Engineering	
8	Dr Manjula R	Senior member IEEE; Women in Engineering; Young Professionals; IEEE Sensors Council; Big Data Community; IEEE Internet of Things Community; IEEE SIGHT; IEEE Computer Society Technical Committee on Security and Privacy Networking Networking Women FELLOW IE (lifetime member)	
9	Dr Shuvendu Rana	IEEE, IEEE Computer Society	
10	Dr Ramachandra Reddy B	ACM	
11	Dr Ashu Abdul	IEEE, IEEE Computer Society IETE Lifetime member	
12	Dr Saleti Sumalatha	Member of Indian Society for Technical Education	
13	Dr Dinesh Reddy Vemula	Member of International Association of Engineers Professional member of Institute For Engineering Member, IRC Scientific and Technical Committee & Editorial Review Board	

S1. No	Faculty name	Awards / Professional society name	
14	Dr Sriramulu Bojjagani	IEEE Young Professionals, Networking, Communication	
15	Dr Sambit Kumar Mishra	IEEE Young Professionals, Scalable Computing, IEEE Computer Society Technical Committee IETE Associate Member (Life Member)	
16	Dr Ajay Bhardwaj	IEEE computer Society, IEEE Communication Society	
17	Dr Kshira Sagar Sahoo	IEEE computer Society, IEEE SDN Society, IEEE Young Professional IETE Associate Member (Life Member)	
18	Dr Shubham Gupta	IEEE, IEEE Computer Society	
19	Dr Morampudi Mahesh Kumar	CSI Life member of ISTE	
20	Dr Debanjan Konar	IEEE, IEEE Coputational Intelligence Society, IEEE Quantum Community, IEEE Young Professionals, IEEE Computer Society ACM; CSI; Member of Institute of Engineers (IE) Senior Member IEEE	
21	Dr. Asish Bera	IEEE	
22	Dr Hemantha Kumar Kalluri	IEEE Member of Institute of Engineers (IE) Senior Member IEEE	
23	Sanjay Kumar	Lifetime member of InSc professional member, ISI Kolkata Council Member Lifetime member of Vigyan Bharti, Jharkhand	
24	Dr Anabik Pal	LIfe Member of Indian Unit for Pattern Recognition and Artificial Intelligence	
25	Dr Sudheer Kumar Battula	IEEE, LifeTime Membership - ISTE	
26	Prof. Prakash Jadhav	Member, ASME Member, Indian society of applied mechanics	
27	Prof. P. Vivekananda Shanmugnathan	ISTE (Life Member) Institution of Engineers (Indi) (Life member) ISTAM (Life Member)	
28	Dr Somesh Vinayak Tewari	Member-Institute of Engineers, India, IEEE Member	
29	Dr Shubh Lakshmi	IEEE Member, IEEE PES Member, IEEE Women in Engineering Member, Smart Grid Community, IEEE Member	
30	Dr Sabyasachi Chakrabortty	ISCA (Lifetime member)	
31	Dr Pardha Saradhi Maram	ISCA (Lifetime member)	
32	Dr S. Mannathan	ISCA (Lifetime member)	
33	Dr Karthik Rajendran	Biotechnology Research Society of India (BRSI) (Life member - India), International Bioprocessing Association (IBA) (Life Member - France) Indian Science Congress Association (ISCA) (Life member - India)	
34	Dr Pranab Mandal	Life Member, Materials Research Society of India (Membership No – LMB3220) Life Member of Indian Science Congress Association (ISCA) [Life member L36507]	

S1. No	Faculty name	Awards / Professional society name
35	Dr Jatis Kumar Dash	Life Member of Indian Science Congress Association (ISCA) [Life member L36486] Life member of Electron Microscopy Society of India (EMSI), [Life member LM-1911]
36	Dr Sujith Kalluri	IEEE Senior Member Elected as Hon. Secretary, IETE Vijayawada Chapter, India
37	Dr Pradyut Kumar Sanki	IEEE Senior Member FIETE Founding Member, ISTF
38	Dr Aehsan Ahmad Dar	American Psychological Association Institute of Scholars (InSc)- Life member Journal of Social Psychology Research American Journal of Applied Psychology
39	Dr Salome Divya Joseph	Life Member: IAAP Indian Academy of Applied Psychology
40	Dr Ninad Sudhakar Patwardhan	American Psychological Association
41	CA. Dr Mahalakshmi Mudliar	Member of ICAI

## Popular Talks, Radio, TV and Internet based

Sl. No	Faculty Member Name	Details
1	Somesh Vinayak Tewari	Delivered a webinar talk as one of the speakers on the topic "Interested in Engineering? Have a Look at career options beyond Computer Science/ Software Engineering" organised by Sakshi TV.
2	Prof. C. Durga Rao	ETV-Ghantaravam- Panel discussion on COVID-19
3	Dr Sutharsan Govindarajan	Interviewed by Scroll.in the digital-only news organisation for "The broken promise of Indian science" https://scroll.in/article/1025619/the-broken-promise-of-indian-science

### **Newspapers reports**

Sl. No	Faculty Name	Details
1	Dr Venkat Nori	The HANS INDIA, 11/02/2022 SRM-AP students design retrofit electric bike.  THE NEW INDIAN EXPRESS, 11/02/2022 SRM students build an electric bike with Amara Raja Batteries in Andhra
2	Dr.Somesh Vinayak Tewari	1. "Simulation of the particle nature in a compact IEC system using PIC technique" Somesh Vinayak Tewari, Surender Kumar Sharma, Archana Sharma, DAE -BRNS International Symposium on Vacuum Science Technology and its Application in Accelerators, February 2022 2. "Design and Development of Triggered Vacuum Switch for Capacitor Discharge Applications" Surender Kumar Sharma, Obaid Siddiqui, Somesh Vinayak Tewari, JMVVS Aravind, Kiran Kumar G, and Archana Sharma, DAE -BRNS International Symposium on Vacuum Science Technology and its Application in Accelerators, February 2022. 3. "Compact Portable Cylindrical Inertial Electrostatic Confinement Neutron Source for Activation Analysis" Surender Kumar Sharma, Kiran Kumar G, Somesh Vinayak Tewari, Sathi babu,Balu Nayak, Rishi Verma and Archana Sharma, DAE -BRNS International Symposium on Vacuum Science Technology and its Application in Accelerators, February 2022. 4. "Magnetic Pulse Crimping of Copper Lug with Significant Improvements in Contact Resistance and Leak Rate" Naushad Ali, Obaid Siddiqui, Surender Kumar Sharma, Rajat Saxena, Kiran Kumar G, N Sathi Babu, Aravind JMVVS, Shobhna Mishra, Renu Rani, Basanta Das, Rashmita Das, Somesh Vinayak Tewari and Archana Sharma, -BRNS International Symposium on Vacuum Science Technology and its Application in Accelerators, February 2022.
3	Prof. C. Durga Rao	Eenadu- Front page article on COVID-19 mutations and evolution
4	Dr Mahesh Kumar Ravva	Faculty members of SRM University-AP were awarded separate research grants by the National Supercomputing Mission (NSM), Government of India. Dr Mahesh Kumar Ravva, Assistant Professor of Chemistry, SRM University - AP, received Rs 19.92 lakh as the first instalment from DST-National Supercomputing Mission (NSM). The project's main aim is to understand the critical factors that influence the performance of organic solar cells. Using the supercomputer, his research group will model the electronic process that occurs during solar cell operation. <a href="https://www.thehansindia.com/andhra-pradesh/srm-faculty-receive-research-grants-680077">https://www.thehansindia.com/andhra-pradesh/srm-faculty-receive-research-grants-680077</a>

#### Social activities

S1. No	Name of the student	Activity	Date
1	Dr Pardha Saradhi	Attended & Conducted NSS special camp, Blood donated on world blood donor day – NSS event, Planting sample around the campus & nearby schools	

#### **Other Important Activities**

- 1 Prof. C. Durga Rao Member DBT Task Force for "Research Resource Service Facility Platform (RRSFP) programme". Attended the first meeting held online on 8-10 February 2022.
- 2 Prof. V. Kannan, DST SERB PAC Mathematical Sciences.
- 3 Dr Ninad is on the Board of Studies for Psychology (for both undergraduate and postgraduate program) at Nagindas Khandwala College, Autonomous College under the University of Mumbai.
- 4 Dr Salome is on the Board of Studies for the BSc Psychology programme at Stella Maris College, Chennai.
- 5 Dr Malavika Binny was invited as a Resource person for the UGC sponsored Induction program, Academic Staff College, Calicut University.
- An Organizing Committee of the Mathematics Department presented a Mini-Conference on Number Theory and Related Topics. This was held on July 30, 31 and August 1. There were fifteen invited speakers who gave interesting talks at the Conference. These invited guests came from India and Europe. There were around 110 registered participants from outside our university. We had between 30 to over 40 visitors watching most of the talks. The Organizing Committee consisted of Prof. Jesse Deutsch, Dr Sazzad Ali Biswas, Dr Manish Kumar Pandey, Dr Pallab Kanti Dey and Dr Suratno Basu.
- International travel grant: Dr Rajni, Dept of English, from the University of Texas, Austin, USA to participate in the conference on Digital Humanities at the University of Texas, Austin, USA, 2022

# **Semester Abroad Program (SAP)**

SRM University - AP, Andhra Pradesh (SRM AP) is recognized across the country for its high standards of education, exciting opportunities, and excellent placement. To maintain its top position, the University is spearheading the Semester Abroad Programme (SAP), a unique initiative providing its students an international exposure and global opportunities. This, we believe, is the first of its kind. Under the SAP, the students are allowed to take-up a few courses and/or a Major project in reputed foreign universities for ONE semester. The credits earned in the foreign university through the SAP, are translated into SRM credits, by an approved conversion procedure, and taken for consideration for the award of the degree by SRM AP. After the study period at a foreign university, the students return to SRM AP to continue with the degree program for which they were enrolled, and after fulfilling all the necessary conditions laid out in the regulations of SRM AP, the student becomes eligible for the award of the degree.

Following are the benefits derived from SAP

- o Provides a unique opportunity to experience international expertise.
- Brighten the career opportunities both in India and Overseas.
- Get an opportunity to work with eminent professors at the universities and upon proving their mettle stand a good chance of getting direct admission to subsequent higher studies in that university or in other universities.
- o Get an opportunity to work in a cross-cultural and multi-national environment.
- Acquire or improve self-confidence and independence.
- o Fulfils one's lifetime ambition to stay ahead at the top.

The list of students who have gone/planned to go abroad in 2021 -2022 is given be.

S1. No.	Name of the student	Degree program at SRM University AP	Name of the University
1	Pulkit Jasti	CSE	
2	Yuvaraj Tanakala	CSE	University of
3	Shanmukh Rachakunta	CSE	California Berkeley
4	Mohammed Kizar Baig	CSE	
5	Borukati Dhathrika Varma	Civil Engineering	University of Wisconsin - Madison
6	Tanoogna Mallarapu	Civil Engineering	University of California - Davis

# Departmental activities - Seminars, Distinguished lectures series

• **Department of Mathematics Weekly Seminar:** Department of Mathematics has started the seminar open to all members of the university to increase its outreach and possible intra- and inter- institute collaboration for research.

Sl. No	Faculty Name	Details
1.	Dr Ravi Prakash Universidad de Concepci <sup>'</sup> on, Chile	Introduction to Homogenization problem and Tartar's Method on 17/02/21
2.	Dr Gaurav Bhatnagar Ashoka University	The partition -Frequency Enumeration Matrix, 10/03/21
3.	Dr Vijay Krishna Rowthu SRM University-AP	PDES and Digital Images, 07/04/21
4.	E.M. Sandeep Kerala school of Mathematics	On non-Vanishing of modular L-Functions inside the critical Strip, 08/09/21
5.	Dr Tathagat Sengupta Homi Bhabha Center for Science Education	Debt, Mathematics and Education, 06/10/21
6.	Dr Indra Nath Sengupta, IIT Gandhinagar	Unboundedness of Betti Numbers of same families of curves in affine and Projective Spaces, 13/10/21
7.	Dr Sundar Sobers	Multiparameter E0 - Semigroups, 24/11/21
8.	Prof. V. Kannan	Roots of Polynomials, 23/02/22
9.	Prof. Rajiv Lochan	Some Aspects of Quantum Mechanic in Quantum Computing, 02/03/22
10.	Dr Sazzad Ali Biswas	What are p-adic numbers? 09/03/22
11.	Dr Manish Kumar Pandey	Mellin Transform on Siegel Space, 16/03/22
12.	Dr Rossi D'Souza	Why is the relationship between Mathematics, Education & Society important for research? 28/03/2022

#### • Department of Mathematics Distinguished Lecture Series:

S1. No	Faculty Name	Details
1.	Prof Vikram Balaji Chennai Mathematical Institute, Chennai	The Narasimhan Seshadri theorem and some of its Ramifications, 29/09/2021
2.	Prof Amiya Kumar Pani, IIT Bombay	Navier Stokes Equations: A Million Dollar Problem, 10/11/21
3.	Prof Ratnasingham Shivaji University of North Carolina Greensboro, US	A Comparison Result When the Forcing Terms are close in L^1 norm, 10/12/21
4.	Dr Swaroop Nanda Bora, IIT Guwahati	Some Fascinating Features of Water wave Propagation Dissipation: A mathematical viewpoint, 02/02/22

## • Department of Physics - Invited Lectures

S1. No.	Name of the delegate & affiliation	Date (s)	Topic	Details
1	Prof. Puru Jena	June 19, 2021	Beyond the Periodic Table of Elements	Eminent Guest Lecture Series
2	Prof. S. Patnaik	July 24, 2021	New Materials for energy and information storage and transmission	Eminent Guest Lecture Series
3	Prof. D. Narayana Rao	September 4, 2021	1D and 3D Photonic Crystals and Their Applications	Eminent Guest Lecture Series
4	Prof. Kalobaran Maiti	October 9, 2021	Selective electron excitations in Fe-based superconductors	Eminent Guest Lecture Series
5	Prof. MS Ramachandra Rao	November 20, 2021	Emergence: Modern Physics to nanoscience to Advanced and Quantum Materials	Eminent Guest Lecture Series
6	Prof. Parongama Sen	March 19, 2022	Non-equilibrium dynamics of interacting particle systems with annihilation	Eminent Guest Lecture Series

### • Industrial seminar - Department of ECE

S1. No	Topic	Resource Person	Date	Organised By
1	Artificial Intelligence (AI) for healthcare	Dr Muralikrishna Voonna, Dr Rajiv Janardhanan, Prof. Upendra Kaul, Dr Pooja Ramakant	25th July 2020	Uday Shankar, Assi. Prof. at SRM AP
2	ECE in Industry	Dr Hanumanth Y Mangoli	5 Sept. 2020	Uday Shankar, Assi. Prof. at SRM AP
3	How to Crack GATE and IES	Dr Murali Prasad	13 Feb 2021	Dept. of ECE
4	ECE in Industry	Mr V. Iyyamperumal	3rd oct 2020	Dept. of CR/CS & Dept. of ECE
5	Synergy based Human – Machine Interfaces	Dr Raman Kumar Vinjamuri	8 May 2021	Dept. of ECE & IEEE student branch chapter section
6	Webinar on Wonders of Cosmos	Dr Sarita VIG	17 <sup>th</sup> April 2021	Dept. of ECE & Institute of Engineers (India), AP State Chapter / IETE Vijayawada Chapter
7	CST Studio Suite for Antenna / Array Simulation	Sumith S. Pillai	13th Sept. 2021	Dr. Divya and Dr. Goutam Rana at SRM AP

#### • Invited lectures - Department of Mechanical Engineering

S1. No.	Name of the delegate & affiliation	Date (s)	Topic
1	Prof B V N Ramkumar Dayananda Sagar University, Bengaluru	15/04/2021	Applications of Artificial Intelligence in Aerospace Engineering
2	Dr Subbareddy Daggumati IIT Tirupati	17/07/2021	Design of Modern MW Size Wind Turbine Rotor Blades
3	Prof. P.M. Pandey IIT Delhi	19/08/2021	Additive Manufacturing: Fundamentals, Processes, and Applications
4	Dr K Sriram GE Global Research Centre, Bengaluru	18/09/2021	Light weighting through Composite Materials & Design Concepts
5	Prof. Perumal Nithiarasu Swansea University, UK	26/02/2022	Digital Twins
6	Prof Mangilal Agarwal	30/03/2022	Nanosensors, Flexible energy devices and IoT
7	Dr Vinay Honeywell Turbine aerodynamics		Turbine aerodynamics
8	Manoharan Kakrapar atomic power station		Basic hydraulics and applications
9	Manikandan PhD Scholar, SRM IST		Fault diagnosis in mechanical equipment

#### • Distinguished Lectures - Department of Chemistry

S1. No.	Name of the delegate & affiliation	Date (s)	Topic
1	Prof. E. Arunan, IISC Bangalore	8 <sup>th</sup> May 2021	Molecular Beam Microwave Spectroscopy: Defining Hydrogen Bond and Discovering Carbon Bond
2	Dr A. T. Biju, IISC Bangalore	4 <sup>th</sup> September 2021	Organocatalysis Using N-Heterocyclic Carbenes (NHCs)
3	Prof. Srinivasan Natarajan, IISC Bangalore	23 <sup>rd</sup> October 2021	The Minerals as Adaptable Structures Towards Generating New Chromophores

#### • Events organized by the Department of Economics:

- 1. Organised an International Conclave on "Transition towards sustainability of Agriculture: Role of Technology in Agriculture Supply Chain" on 3-4 June 2021
- 2. First department lecture series by Prof. Santosh Melhotra, University of Bath, UK, on "An Alternative Stimulus Package to Atmanirbhar Bharat" on July 23, 2021.
- 3. Second department lecture series by Prof. Pramila Krishanan, University of Oxford, UK, on "Secession with Natural Resources" on September 7, 2021.
- 4. Organized Panel Discussion on Indian Budget 2022 on February 09, 2022.

# Department of Teaching and Learning Centre (TLC)

#### **Training Program / Conference presentations**

- 1. Department Conducted a Guest lecture by Dr Manu Vohra on 23<sup>rd</sup> October 2021.
- 2. Conducted intensive teaching workshop for two days during 6<sup>th</sup> and 7<sup>th</sup> Aug 2021 with the new faculty members.
  - a. Conducted for newly joined 16 faculty members.
  - b. 5 Modules conducted.
- 3. In Collaboration with NITTTR Chennai, conducted a Faculty Development Programme (FDP) for Assistant and Associate Professors of the University from 25th Oct to 6th Dec 2021.
  - a. Conducted in 4 groups.
  - b. Attended by 141 faculty members.
  - c. 107 faculty members are certified jointly by SRMAP and NITTTR.

# Directorate of International Relations & Higher Studies (IR & HS) Activities

The Directorate of International Relations & Higher Studies is the ultimate resource for national and international students at SRM University-AP. We are responsible for processing international admissions, advising international students and scholars, and overseeing all education abroad initiatives and international partnerships. Our team advises, counsels, and ensures that your time here is filled with opportunities. We sponsor outings in and around Andhra Pradesh, provide on-campus cultural and language immersion events, and give workshops and tours of campus facilities and resources, all designed to enrich your educational experience while being at SRM University-AP.

#### IR & HS Vision

Aiming for significant global impact, the Directorate of International Relations and Higher Studies at SRM University-AP encourages the spirit of curiosity in students and faculty for multidisciplinary collaborations, inbound and outbound exchanges, research, and outreach programmes.

#### HR & IS Mission

Our primary mission is to internationalise the SRM University-AP experience for the benefit of all students, faculty, and staff. In practice, we achieve this by the:

- o Intake of a diverse, vibrant, and talented international student body
- Effective services meted out to the international student and scholar community
- o Promotion and supervision of education abroad opportunities and programmes
- o Outreach initiatives for the professional development of faculty and staff
- o Partnerships with global universities through agreements, and exchanges
- o Cross-cultural relationships are fostered by events and conferences

#### IR & HS Supports in the Following:

- o International Higher Studies
- o International Internships
- o Semester Abroad Programme
- o Integrated Programme
- o Indian Immersion Programme
- Global Immersion Programme
- International Admission
- o Post-Admission FRRO

Student Diversity: We have Students from 16 Countries and 28 States of India

International Relations and Higher Studies Pathways:

- Higher Studies Abroad
- International Partnerships
- Semester Abroad Programme

- o Global Immersion Programme (Inbound and Outbound)
- o International Internships and Academy of Foreign Languages
- o International Transfer and Integrated Programmes
- o International Admissions and Post Admission Process

#### Higher Studies Abroad: Accomplishments of 2021-2022:

- 100% Acceptance Rate (206 Students)
- o 50% Students with Scholarships
- o 20% from the batch of 2022
- o 8% in QS-50 Rank Universities. (23 Students)

#### **Support for Higher Studies Abroad:**

#### President International Higher Studies Scholarship:

- Category I: To the students who got admitted in QS Rank 1 to 10 University for Master Programme. Award Amount: Rs. 5,00,000
- Category II: To the students who got admitted in QS Rank 11 to 25 University for Master Programme. Award Amount: Rs. 3,00,000
- Category III: To the students who got admitted in QS Rank 26 to 50 University for Master Programme. Award Amount: Rs. 2,00,000

Note: For QS Ranking, The reference will be the QS rank list of the particular year.

#### Government / University / Organisation Scholarships for International Higher Studies:

- We share the upcoming/ongoing scholarship opportunities,
- o More than 100+ Opportunities
- o Awareness sessions for available scholarships in various areas.
- o Students can apply for various scholarship schemes.
- In case of query or application support, Contact: ir.office@srmap.edu.in

The right time to Apply: After the 5th and 6th Semesters (Few Scholarships Application process takes longer than usual time)

#### Support with Coaching and Training:

- o MOU Signed with the best training partners for Higher Education Preparations such as
- o GRE, GMAT, and CAT for studying abroad.

#### **Grad-Square:**

- o Weekdays or Weekends covering 8 hours per week.
- GRE / GMAT / TOEFL / IELTS
- Combo Packs available

#### Jamboree:

If weekday four classes; if weekend two classes.

- GRE / GMAT / TOEFL / IELTS.
- o Combo Packs available

#### **Score Getter:**

#### Weekend Classes

- o GRE / GMAT / TOEFL / IELTS / Language Course: French / German
- Study Material through Portal

Mega Higher Education Fair and Conclave:

- o Organized 2 Mega Higher Studies Abroad fair.
- o 50+ Universities Participated.

#### International Partnerships

o 70+ International Partnerships

**Semester Abroad Programme: SAP -** 6 Students went for the Semester Abroad programme for Spring 2022.

#### **SAP Benefits:**

- o Internationalize your resume.
- Leading to higher studies in reputed universities abroad
- o Enhance employment opportunities.
- Get theoretical and practical knowledge from a top-notch international university.
- o Building confidence and individuality
- o Broaden your Horizon.
- o International academic and professional exposure
- o Innovation

#### **Global Immersion Programmes:**

Global Immersion is an integrated program that 'seeks to introduce a global dimension through connectivity and travel' in order to enable academia to understand global dynamics in various fields of education as a discipline.

**Program:** A Short Term 1 to 4 Weeks Program with International Partner University or Industry.

**Timings:** Two times a year June & December

**Value Addition:** Internationalization with the Short-term training programs and cultural exposure to different parts of the world. And Earn Credits

Support: 15K to 25K INR Financial Support Provided

#### **Highlights of the Programme:**

- o Interactive sessions and training
- o Study tour
- o Cultural insights
- o Science & Technology
- o Engagement with the local community

#### Familiarization Programme with UTP Malaysia (Global Immersion Programme)

 $80\,\mathrm{Students}$  and  $3\,\mathrm{Faculty}$  participated in the following batches.



**International Internships:** 26 Students Got International Internships



EION Wireless Inc, Canada



Harvard Medical School

#### **International Internship Types**

- o International Internships for Credit
- o SUMMER Internships Abroad
- o Non-Profit Internships
- o Service Learning, Hospitals

#### International Internships Support from Office of IR & HS:

- o Interested students may register at IR &HS Office
- o Cluster groups of Areas of interest and expertise are formed.
- o Mentors are assigned and Students are groomed and trained.
- o Internship opportunities are shared with students regularly.
- o Students are trained to identify opportunities.
- o Application support, interview preparation help provided.
- o Students have to take care of financial expenses in case of onsite internship

#### Indian Immersion Programme: Aadigyan



#### **Aadigyan: Indian Immersion Programme**

- A one-of-a-kind program that centers on uniquely Indian qualities like Sanskrit, Ayurveda / Holistic Wellness, Indian Arts, Indian Culinary Sciences, Yoga, Tourism, and Hospitality
- o Students and faculty from overseas will get exposure to India's heritage, the plurality of cultures, and technological advances.
- o Open for SRM AP students and faculty also
- o Short-term Courses from 3 weeks to 3 months
- Courses by renowned organizations in the field of Indian art, culture, heritage, and hospitality

**Aadigyan: Open Elective** 

#### Kondapalli Toys Workshop





Save Soil Workshop



Heartfulness Meditation Workshop

# **University Distinguished Lectures (UDL)**



Speaker: Prof M Lakshmi Kantam, Dr B P Godrej Distinguished Professor of Green Chemistry and Sustainability Engineering, Department of Chemical Engineering, Institute of Chemical Technology, Mumbai

Date: 03.30 pm on Saturday, 17th April 2021

Title: Design and Development of Homogeneous/Heterogeneous Catalysts for Sustainable Chemical Industry



Prof M Lakshmi Kantam stated in her presentation "The catalysis of organic reactions by homogeneous and heterogeneous catalysts remains a diversified field of scientific inquiry. It attracts a large group of scientists with specialties spanning synthetic organic chemistry, inorganic chemistry, surface science, material science, reaction engineering and computational modeling". As a part of Prof Lakshmi Kantam' s research study, she briefly explained "Hydroxyapatite (HA) is a hydrated calcium phosphate material, which is an important biomaterial because of its similarity to the mineral component of mammalian bone. We have utilized these materials and their metal exchanged materials as catalysts for C-C and C-N coupling reactions. Similarly, hydrotalcites, anionic clays have been exchanged with different metal ions and successfully applied in a number of organic transformations". An overview of the work on the design and development of catalysts for sustainable, economical process and technologies for the chemical industry was introduced.

#### Video link:

 $\frac{https://www.youtube.com/watch?v=W8ghmW35yPE\&list=PL1aR21i62\_gm5qCvLW3BEaXz}{XGRQw1Oqd\&index=3}$ 

Speaker: Prof. Anil D. Sahasrabudhe, Chairman of All India Council for Technical Education (AICTE).

Date: 03.00 pm on Saturday, 05th June 2021.

Title: Higher Education in India in the Post COVID-19



Prof Anil Sahasrabudhe stated that all engineering colleges have been mandated to go for curriculum revision, Sahasrabudhe said even arts, science and commerce streams should go for it. "Under the New Education Policy-2020, we have also made internship mandatory for mandatory for undergraduate students, project-based experiential learning besides training of faculty, which is very important. The AICTE has created an eight-module faculty certification programme that will cover the entire lifecycle of teachers," he added. Noting that there has been a transition from classroom to online education in the Covid-19 era, Sahasrabudhe said somewhere the quality was slightly affected. "We can certainly overcome that. We have to replicate and re-model the classroom-type education," he said. "We have to, however, get out of this (Covid-19 crisis) as soon as possible and get back to the classrooms and campuses. That is the need of the hour," the AICTE chief said. Sahasrabudhe said all things could not be done online. "Human-to-human touch is important. A blended way of education (classroom and online) is essential, making use of the strength of technology," he said.

#### Video link:

 $\frac{https://www.youtube.com/watch?v=zj\_2QfWz9i8\&list=PL1aR21i62\_gm5qCvLW3BEaXzXGRQw1Oqd\&index=2}{RQw1Oqd\&index=2}$ 

Speaker: Dr K Kasturirangan, Chairman, National Education Policy (NEP)-2020

Date: 11.00 am on Saturday, 24th July 2021.

Title: Creating a Vibrant Knowledge Society - An Indian Strategy for 21st Century



Dr Kasturirangan will explain the conceptualisation and salient features of National Education Policy 2020. NEP - 2020 proposes to address the many growing developmental imperatives of our country. This policy aims to revise and revamp all aspects of the education structure, including its regulation and governance, and create a new system that is aligned with the aspirational goals of 21st-century education while building upon India's traditions and value systems. Eminent space scientist K Kasturirangan stressed the need for reconfiguring the education needs of the future to meet the targets of Sustainable Development Goals-2030 and to create a just and equitable society. Kasturirangan, who headed the committee that drafted the National Education Policy-2020, noted that the new policy has been crafted to ensure that it touched the lives of every citizen, consistent with their needs. The NEP-2020 laid down an endto-end educational roadmap for the country with an integrated yet flexible approach to education, he noted. Pointing out that the last education policy was drafted 30 years ago, Kasturirangan said India now needed an education system aligned with the aspirational goals of every citizen, while remaining rooted in its value systems and ethos. The NEP-2020 has been crafted consistent with the needs of citizens, as the demand for a knowledge society and economy called for the need to acquire new skills on a regular basis. "Providing quality education and creating lifelong learning opportunities for all, leading to full and productive employment and decent work as enlisted in the SDGs-2030 is the thrust of NEP-2020," he observed. The former Rajya Sabha member emphasized that vocational education should be integrated with undergraduate education.

Video link: <a href="https://www.youtube.com/watch?v=egpK\_i-7uE4&list=PL1aR21i62\_gm5qCvLW3BEaXzXGRQw1Oqd&index=1">https://www.youtube.com/watch?v=egpK\_i-7uE4&list=PL1aR21i62\_gm5qCvLW3BEaXzXGRQw1Oqd&index=1</a>

Speaker: Prof. Indranil Manna, JC Bose fellow, Vice Chancellor, Birla Institute of Technology (BIT) Mesra, Ranchi.

Date: 10.30 am on Saturday, 25th September 2021.

Title: Science-Engineering-Technology Synergy for Sustainable Growth



In his address, Prof Indranil Manna asserted that India is no longer a poor country but a mighty economic power with a 3 trillion dollar economy. "We are considered as one of the strongest nations of the world today, not because of the population or because of the youth living in the country, but we are the ones who could send mission to mars at the cheapest cost, and also successfully identified the existence of water on the surface of the moon. Further, we are one of the very few nuclear harnessing nations of the world," said Prof Manna. Science began its journey in order to find out the truths of nature. "Why?"- this question is the driving force behind Science. Though Science unravels nature and truth primarily through curiosity or need inspired acts, and the occasional outcome is significant earth-breaking discoveries, sometimes it needs technology to prove it. On the other hand, Engineering deals with "How?" and for Technology, the question is "What?". Engineering produces certain products and devices by specific designs and inventions. However, what is absolutely essential for the society is Technology, knowledge through the path of knowing 'why' and 'how' to know 'what' sells. Thus, Prof Manna prescribes SET, a conjugation of Science+Engineering+Technology, as the way forward for maximum societal benefits.

#### Video link:

https://www.youtube.com/watch?v=nUraHrCul9w&list=PL1aR21i62\_gm5qCvLW3BEaXzXGRQw1Oqd&index=12&ab\_channel=SRMUniversity-AP%2CAndhraPradesh

Speaker: Prof. Sandeep Verma, Secretary of Science and Engineering Research Board (SERB), DST, Government of India.

Date: 10.30 am on Saturday, 30th October 2021.

Title: Science, Technology and Innovation Policy 2020: A Transformative S&T Agenda



Dr Verma elucidated that the primary idea behind STIP: 2020 is Inclusivity. STIP:2020 will require an uninhibited and indiscriminate free flow of scientific and innovative ideas between all the people with a scientific interest from the Indian diaspora and from rural India, from all genders, from all age groups ignoring any disability physical or otherwise. "We can't afford to leave anyone behind", Dr Verma said referring to India's quest to become a scientific and technological superpower. Appreciating the efforts made by SRM University-AP, Dr Verma emphasised the need to have the researchers to come out in the open, solving real-life problems and making every individual Indian life better. "It is our Scientific Social Responsibility to conduct such open forums for scientific communication and understanding," he said, "As India moves towards technological self-reliance and indigenisation, STIP: 2020 comes as a landmark innovation policy at this crucial juncture." Dr Verma ended his talk with the hopeful note that other Universities would follow the example of SRM University-AP and make such conscientious efforts towards innovation to make lives better. The lecture was attended by Dr S Chandrasekhar, Director, CSIR-IICT and over 2300 members from several premier institutions: IITs, NITs, IISERs, Universities and Institutions, CSIR, DST, DBT, DRDO, DAE, ISRO, NARL, MoES and several others from different parts of the country.

#### Video link:

 $\frac{https://www.youtube.com/watch?v=gi9XujD2\_a0\&list=PL1aR21i62\_gm5qCvLW3BEaXzXG}{RQw1Oqd\&index=13\&ab\_channel=SRMUniversity-AP\%2CAndhraPradesh}$ 

Speaker: Prof. Chennupati Jagadish, President (elect), Australian Academy of Science, Distinguished Professor, The Australian National University, Australia.

Date: 11.00 AM on Saturday, 22nd January 2022.

Title: Semiconductor Nanostructures for Optoelectronics Applications



Dr Jagadish was honoured as Champion of the Order of Australia for his eminent contributions to Physics and Engineering at the Australia Day Honours 2016. He has acquired the IEEE Pioneer Award in Nanotechnology (2015), the Walter Boas Medal from the Australian Institute of Physics (2013) and the Thomas Ranken Lyle Medal from the Australian Academy of Science (2019).

Dr Jagadish has led the Semiconductor Optoelectronics and Nanotechnology Group as its head since its establishment in 1990 by him. He believes that in the fourth industrial revolution, the digital and the biological will merge and, as 90% of our information is received by light, optical, and photo-electronics based trillion-dollar industries will double in their value by 2030. He addressed the growing interest in research and analysis on key nanowires in the field of electronics and communications, which could have far-reaching benefits. He noted that the development of nanowires could address a wide range of challenges in science and technology.

The developing research in Augmented Reality, Wearable Optical Sensors, Holographic Displays etc. and the people working on it as the students and staff at SRM University-AP stand to enhance the market and build upon the vision of a self-reliant India, according to Dr Jagadish.

His talk elaborated on the ongoing research, challenges and possibilities of development in this sector, and he concluded on the optimistic note that more and more researchers would come up with new ideas or world-changing solutions.

#### Video link:

https://www.youtube.com/watch?v=dsCZMWTc84M&list=PL1aR21i62\_gm5qCvLW3BEaXzXGRQw1Oqd&index=14&ab\_channel=SRMUniversity-AP%2CAndhraPradesh

**UDL Website Link**: https://srmap.edu.in/category/events/udl/

# Research Day Celebrations

3<sup>rd</sup> Research Day 2021 was celebrated in SRM University-AP, Andhra Pradesh on August 21, 2021. It was an excellent opportunity for all the faculty members, research scholars and students to exchange and exhibit their ideas on research. Registration was free and faculty members; research scholars and undergraduate students presented their innovative research ideas during this research day. Our Chief Guest of the day was Prof U B Desai, Chancellor, Anurag University.





Abstracts received	227
<b>Total Presentations</b>	171
Full papers received	69
Gold and silver medals awarded	31



**4th Research Day 2022** was celebrated in SRM University-AP, Andhra Pradesh on February 19, 2022, at 02.00 pm. Dr Tessy Thomas, Distinguished Scientist and Director General of Aeronautical Systems at Defence Research and Development Organization (DRDO) was the chief guest of the day. It was an excellent opportunity for all the faculty members, research scholars and students to exchange and exhibit their ideas on research. Research abstracts are invited on innovative topics from the faculty members, research scholars and undergraduate students. As usual, the registration was free of cost.





Abstracts received	285
<b>Total Presentations</b>	221
Full papers received	74
Gold and silver medals awarded	33

# **Entrepreneurship Cell Activities**

#### **Highlights:**

- o 8 startups with a cumulative traction/ turnover of 20 Cr INR. Funding by 100x.VC of 3 Cr
- o MSME Business Incubator recognition to Hatchlab Research Centre.
- o 50+ National and International Mentors Onboarded
- o 15 + Students communities created engaging 1500+ students engaged.

2 No. of startup in pipeline 3 No. of external startup supported 4 No. of registered companies 5 All document creation/ processess/ formats 2!  Student Activities. engagement and Initiatives 6 No. of student communities & initiatives 7 No. of students registered with Ecell 57( 8 2 elective course for students 9 No. of events conducted 10 No. of training/ workshop conducted 11 No. of external participation by our students 12 Website Creation 13 Social media handles & all creatives/ poster 5 Industry & Institute Interface 14 No. of mentors onboarded 15 No. of corporate partnership done 16 Other college engaged for Campus Accelerator Program 17 Startup Summit attended 18 Guest Lecture for other colleges  Creating Ecosystem 19 No. of schemes (Govt./ Pvt) applied 20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created			
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12 Website Creation 13 Social media handles & all creatives/ poster  14 No. of mentors onboarded 15 No. of corporate partnership done 16 Other college engaged for Campus Accelerator Program 17 Startup Summit attended 18 Guest Lecture for other colleges  19 No. of schemes (Govt./ Pvt) applied 20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created	10	No. of training/ workshop conducted	8
Industry & Institute Interface  14 No. of mentors onboarded 15 No. of corporate partnership done 16 Other college engaged for Campus Accelerator Program 17 Startup Summit attended 18 Guest Lecture for other colleges  Creating Ecosystem 19 No. of schemes (Govt./ Pvt) applied 20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created	11	No. of external participation by our students	170
Industry & Institute Interface  14 No. of mentors onboarded 15 No. of corporate partnership done 16 Other college engaged for Campus Accelerator Program 17 Startup Summit attended 18 Guest Lecture for other colleges  Creating Ecosystem 19 No. of schemes (Govt./ Pvt) applied 20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created  23 Agents Accelerator Program 24 Agents Accelerator Program 25 Accelerator Program 26 Agents Accelerator Program 27 Accelerator Program 28 Accelerator Program 29 Accelerator Program 20 Accelerator Program 20 Accelerator Program 21 Accelerator Program 22 Accelerator Program 23 Accelerator Program 24 Accelerator Program 25 Accelerator Program 26 Accelerator Program 27 Accelerator Program 28 Accelerator Program 29 Accelerator Program 20 Accelerator Program 20 Accelerator Program 21 Accelerator Program 22 Accelerator Program 23 Accelerator Program 24 Accelerator Program 25 Accelerator Program 26 Accelerator Program 27 Accelerator Program 28 Accelerator Program 29 Accelerator Program 20 Accelerator Program 20 Accelerator Program 20 Accelerator Program 21 Accelerator Program 22 Accelerator Program 23 Accelerator Program 24 Accelerator Program 25 Accelerator Program 26 Accelerator Program 27 Accelerator Program 28 Accelerator Program 29 Accelerator Program 20 Accelerator Program 20 Accelerator Program 21 Accelerator Program 22 Accelerator Program 23 Accelerator Program 24 Accelerator Program 25 Accelerator Program 26 Accelerator Program 27 Accelerator Program 28 Accelerator Program 29 Accelerator Program 20 Accelerator Program 20 Accelerator Program 20 Accelerator Program 20 Accelerator Program 21 Accelerator Program 22 Accelerator Program 23 Accelerator Program 24 Accelerator Program 25 Accelerator Program 26 Accelerator Program 27 Accelerator Program 28 Accelerator Program 29 Accelerator Program 20 Accelerator Program 20 Accelerator Program 20 Accelerator Program 20 Accelerator Program 24 Accelerator Program 25 Accelerator Program 26 Accelerator Program 26 Accelerator Program 27 Accelera	12	Website Creation	1
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16 Other college engaged for Campus Accelerator Program 17 Startup Summit attended 18 Guest Lecture for other colleges  Creating Ecosystem 19 No. of schemes (Govt./ Pvt) applied 20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created  22 Other college engaged for Campus Accelerator Program 23 Other colleges 24 Other college engaged for Campus Accelerator Program 25 Other college engaged for Campus Accelerator Program 26 Other college engaged for Campus Accelerator Program 27 Other college engaged for Campus Accelerator Program 28 Other college engaged for Campus Accelerator Program 29 Other college engaged for Campus Accelerator Program 20 Other college engaged for Campus Accelerator Program 21 Other college engaged for Campus Accelerator Program 22 Other colleges 23 Other colleges 24 Other colleges 25 Other colleges 26 Other colleges 26 Other colleges 27 Other colleges 28 Other colleges 29 Other colleges 20 Other colleges 20 Other colleges 20 Other colleges 21 Other colleges 21 Other colleges 22 Other colleges 23 Other colleges 24 Other colleges 25 Other colleges 26 Other colleges 26 Other colleges 27 Other colleges 28 Other colleges 29 Other colleges 20 Other colleges 20 Other colleges 20 Other colleges 21 Other colleges 21 Other colleges 22 Other colleges 23 Other colleges 24 Other colleges 25 Other colleges 26 Other colleges 26 Other colleges 27 Other colleges 27 Other colleges 28 Other colleges 28 Other colleges 29 Other colleges 20 Other colleges 20 Other colleges 20 Other colleges 21 Other colleges 21 Other colleges 22 Other colleges 23 Other colleges 24 Other colleges 25 Other colleges 26 Other colleges 26 Other colleges 27 Other colleges 27 Other colleges 27 Other colleges 28 Other colleges 28 Other colleges 29 Other colleges 20 Other colleges 21 Other colleges 22 Other colleges 23 Other colleges 24 Other colleges 25 Other colleges 26 Other colleges 26 Other colleges 27 Other colleges 27 Other colleges 27 Other colleges 27 Other	14	No. of mentors onboarded	45
17 Startup Summit attended 18 Guest Lecture for other colleges  Creating Ecosystem 19 No. of schemes (Govt./ Pvt) applied 20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created	15	No. of corporate partnership done	6
18 Guest Lecture for other colleges  Creating Ecosystem  19 No. of schemes (Govt./ Pvt) applied 20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created	16	Other college engaged for Campus Accelerator Program	2
Creating Ecosystem  19 No. of schemes (Govt./ Pvt) applied  20 No. of schemes (Govt./ Pvt) availed  21 MHRD IIC Created	17	Startup Summit attended	2
19 No. of schemes (Govt./ Pvt) applied 20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created	18	Guest Lecture for other colleges	3
19 No. of schemes (Govt./ Pvt) applied 20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created			•
20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created 2	Creati	ng Ecosystem	
20 No. of schemes (Govt./ Pvt) availed 21 MHRD IIC Created 2	19	No. of schemes (Govt./ Pvt) applied	3
	20	No. of schemes (Govt./ Pvt) availed	1
22 Hatchlab Research Centre established (TBI)	21	MHRD IIC Created	1
	22	Hatchlab Research Centre established (TBI)	1

Strategic Meeting with APIS – CEO Mr. Anil – Tie up.  $\,$ 



National Handloom Day - Social Entrepreneurship





In the presence of Regional Director NHDC – National Handloom Development Corp, Commissioner Handlooms AP, & Special Advisor to Govt. AP

#### 2 big new initiatives in Innovation & Entrepreneurship - Launched





- The Brave and Courageous

2 new big initiatives in Innovation & Entrepreneurship

*School* Entrepreneur



#### **Outcome:**

- o Niche branding of SRM University in the domain of Entrepreneurship
- Target the + level students and give support & help from Hatchlab Research Centre, SRM AP
- o Positioning ourselves as the pioneer in innovation and Entrepreneurship across the state

2nd Monthly Edition of IdeaMIC (plans for pan-state)

- o Mentorship
- Technology Knowhow
- o CoE @ E-Cell Level
- Market Access
- o Hardware
- o Internship

#### Interaction & Collaboration

- o APSSDC: Dr. Arya Srikanth IAS & Mr. K Chaitanya Senior Manager
- o AP Innovation Society: Mr. Veeresh Singh
- o Kick Start AP: Mr. Alok Maheshwari (Startup Community)





#### Format & Team finalized.

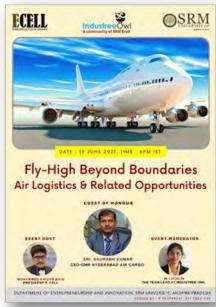
Industry MIC - Edition 1 - Kickstarted.

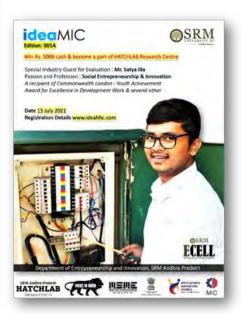


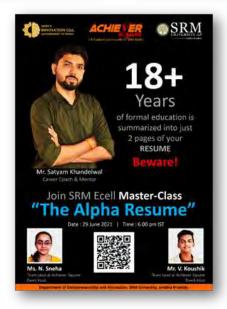












#### MSME Business Incubator Status for SRM TBI





Rural/ Social Entrepreneurship - Kuragallu Village, Mangalgiri.



Interaction & Collaboration

# **Sponsored Projects**

The following list includes some of the sponsored projects sanctioned and currently projects being carried out at various departments.

S1. No.	Title of the R&D project Name of the PI and CO-PI - Department	Funding Agency	Sanction Number	Sanctioned Amount (in Rs. Lakhs)	Duratio n
1.	Role of Nuclear Hormone Receptors in C. elegans metabolism and Aging Dr. Manjunath Department of Biological sciences	DST- INSPIRE	DST/ INSPIRE/ 04/2015/002416	96.00	2016-21
2.	Mechanistic of CO Oxidation on Metal Free Catalyst and Property Package Dr. Ranjit Thapa Department of Physics	DST- SERB	SERB/EMR/20 16/004689	35.45	2017-21
3.	Theoretical Insights on the critical factors that influence the performance of non-fullerene organic solar cells.  Dr Mahesh Kumar Ravva  Department of Chemistry	DST- INSPIRE	DST/INSPIRE/ 04/2017/001393	104.00	2017-22
4.	Microbiome mediated fate and transformation of man released nano- pollutants. Dr Anil K Suresh Department of Biological sciences	DST- SERB	SERB/ECRA/2 018/00000339	46.73	2018-21
5.	Tailoring of catalytic surfaces for CO2 reduction Dr. Mallikarjuna Rao Motapothula Department of Physics	DST- INSPIRE	DST/INSPIRE/ 04/2017/001392	102.00	2017-22
6.	Evaluation of intrinsic piezoelectric coefficients and strain engineering near the morphotropic phase boundary in Pb-free oxides Dr. Pranab Mandal Department of Physics	DST- SERB	ECR/2018/0012 52	48.80	2018-21
7.	First principles identification of descriptor for carbon-based catalyst. Dr. Ranjit Thapa Department of Physics	DAE- BRNS (YSRA)	37(2)/20/14/20 18-BRNS/37144	28.15	2018-21
8.	Ion Beam Modification of Two Dimensional(2D) Layered Materials Heterostructures: Defect Engineering and Device Performances Dr. Jatis Kumar Dash Department of Physics	UGC- DAE	UGC-DAE- CSR- KC/CRS/19/IB MS04/1005/103 6	25.00	2019-22
9.	Vector Vortex Beams and their Scattering for Communication Applications Dr Gangi Reddy Salla Department of Physics	DST-SRG	SERB/SRG/201 9/000857	26.17	2019-21

10.	Development of Fast Fluoride Ion Conducting Solid Electrolytes for Rechargeable Solid State Fluoride Ion Batteries Dr Laxminarayana Patro Department of Physics	DST-SRG	SRG/2019/0007 67	31.60	2019-21
11.	Characterization of graphs by spectra of its distance and resistance matrix and some problems related to matrix theory and graph theory Dr. Fouzul Atik Department of Mathematics	DST-SRG	SRG/2019/0008 39	12.90	2019-21
12.	Methane Emission from Tropical Aquatic Networks: Elucidating the underpinning mechanisms and landscape-level drivers Dr. Shoji D. Thottathil Department of Environmental Science	DST-SRG		30.22	2019-21
13.	Design and Development of 'Fast Charging' Next-Generation Battery System and its Advanced Electronic Diagnostics Dr. Sujith Kalluri Department of Electronics and Communication Engineering	DST-SRG	SRG/2019/0001 94	30.00	2019-21
14.	A scalable Secure Architecture Model for Privacy and Performance in IoT Dr Ashok Kumar Pradhan Department of Computer Science	DST- TARE	TAR/2019/000 286	18.3	2019-21
15.	Development of novel methods for deconvolution and denoising of seismic reflection data Dr. Karthikeyan Department of Electronics and Communication Engineering	DST- SERB	SERB/CRG/20 19/001234	25.00	2019-22
16.	SRM-Amara Raja Center for Energy Storage Devices Dr. Pardha Saradhi Maram (Chemistry), Dr. Laxminarayana Patro (Physics), Dr. Sujith Kalluri (Electronics Engg.), Dr. Surfarazhussain S Halkarni (Mechanical Engg.), Dr. Jayaprakash Sharma P (Mechanical Engg.), Dr. Tousif Khan N (Electrical Engg.)			180.00	2020-23
17.	Mathematical analysis and Adjoint Based Stability for a Coupled Convection-Diffusion equation in Miscible Displacement Dr. Tapan Kumar Hota Department of Mathematics	DST-SRG	SRG/2020/0007 13	14.63	2021-23

18.	Chemical modulator based microalgal biorefinery for the production of biofuels and bioproducts. Dr. Imran Y Pancha Department of Biological sciences	DST-SRG	SRG/2020/0001 65	27.00	2021-23
19.	Targeting Kennedy pathway of cellular phosphatidylethanolamine biosynthesis as a common therapeutic strategy against protozoan parasites like Leishmania donovani, Trypanosoma brucei and Entamoeba histolytica Dr. Writoban Basu Department of Biological sciences	DST-SRG	SRG/2020/0014 21	26.34	2021-23
20.	Intelligent Disturbance Observer based Adaptive Control of DC-DC Power Converter for Nonlinear Loads Dr Tousif Khan Department of EEE	DST- TARE	TAR_2020_0003 86	18.30	2021-23
21.	Jumbo-phage as a model for ancient cell organization Dr. Sutharsan Govindarajan Department of Biological sciences	DBT- Wellcom e Trust	IA/E/19/1/504 958	124.00	2021-26
22.	Mechanistic understanding of bacterial cytoskeleton inhibition by antibiotics and novel bacteriophage proteins Dr. Sutharsan Govindarajan Department of Biological sciences	DST- CRG	CRG_2020_0032 95	52.00	2021-23
23.	Wall effects in Shock wave boundary layer interactions Dr Satya Pramod Jammy Department of Mechanical Engineering	DST- CRG	CRG/2020/003 859	39.00	2021-24
24.	Understanding the molecular basis for the extreme differential level of expression of genes from human and animal rotaviruses in genetransfected cells: Implications for improving the growth of human vaccine strains PI: Prof. Durga Rao Co-PI: Prof. Jayaseelan Murugaiyan Department of Biological sciences	DBT	BT/PR32884/M ED/29/1474/20 19)	110.52	2021-24
25.	Imprints of Physics Beyond the Standard Model at the LHC and Future Colliders Dr Amit Chakraborty Department of Physics	DST- INSPIRE	DST/INSPIRE/ 04/2018/002972	35.00	2019-24
26.	Catalysts for CO2 Reduction to C2 Product: Descriptor to Database Prof Ranjit Thapa and Dr S. Biswas Department of Physics	DST- NSM	DST/NSM/R&D_HPC_Applic ations/2021/19	28.02	2021-23

27.	Developing Structure-Morphology- Performance Relationships in Organic Solar Cells Dr Mahesh Kumar Ravva Department of Chemistry	DST- NSM	DST/NSM/R& D_HPC_Applic ations/2021/16	19.92	2021-23
28.	Development of Closed Cell Gold Foam for Jewellery Applications Dr G S Vinodh Kumar Department of Mechanical Engineering	Tanishq J ewellers (TITAN Compan y Ltd)	IN- KA01404072207 184T	29.60	2021-22
29.	A Halide Perovskite Based Photoanode For Oxygen Evolution Reaction Using A Molecular Diode in a Hybrid Nanometer Scale Protection Layer Dr. Sabyasachi Mukhopadhyay (Co-PI) Department of Physics	DST- Bilateral Project with Israel and IIT Bhilai	DST/INT/ISR/ P-28/2020(G)	-	2021-24

## Library

### 1. Vision

- To support the faculty, research scholars and students in teaching and learning.
- > To help attain excellence in higher technical education and research.
- ➤ To provide a hi-tech gateway and easy access to knowledge based global information and academic resources in a variety of formats.
- > To meet the relevant and diverse demands in scientific, engineering, technological and management education.

### 2. Mission

- > To systematically and regularly collect relevant books, journals, magazines and such other publications, in conventional or in electronic media, for continuous updating and strengthening the resources of the library and its data bank.
- > To provide the right ambience and facilities for the acquisition and dissemination of information to faculty and students.

### 3. Features of the Library

SRM University – *AP*, Andhra Pradesh aims to build world class library for the benefit of students, faculties and researchers. Our aim to build one of the best International library according to International Standards, Now the University library has an excellent collection of books covering various branches of Engineering, Sciences, Social Sciences, Management and its related fields.

The Central Library subscribes to national and international journals in print, e-Journals and technical, competitive & general magazines too. The library has access facility NPTEL video courses, INFLIBNET Programs and other E-Learning resources initiated by Government of India. Central Library is using in-house software for Library automation and implemented RFID technology.

The library is in the University Administrative Block, 6th floor with an area of about 9400 sq. ft. It contains a stack area 5100 SQF & 4300 SQF reading area, in which 250 readers can be accommodated at a time.



### Other silent Features:

- ➤ Fully air-conditioned and automated with RFID (Radio Frequency Identification) technology.
- ➤ Well protected with fire alarms and CCTV security systems
- ➤ Equipped reading area on the 6th floor, with research reference collection.
- In addition, Library has cafeteria in both sides at 6<sup>th</sup> floor.



### 4. Automation

All operations and services of the library have been automated with RFID (Radio Frequency Identification) technology using Windows based In-House software (ERP) developed by a team of programmers. It operates on Windows 2000 server, Oracle with J2EE. The software has excellent operational modules such as transaction, query, administration, reporting modules etc. And the library is well protected with fire alarms and CCTV security systems.

### 5. Library resources collection during the financial year

The major activities of the central library between Apr-2021 to Mar-2022 are described here:

S1. No	Particulars	A.Y. 2017- 18	A.Y. 2018- 19	A.Y. 2019-20	A.Y. 2020-21	F.Y. 2021-22
	Library Collection added					
1.	No. of volumes	6567	8857	3332	237	1391
2.	No. of Titles	695	1541	400	120	609
3.	No. 0f E- Books (DELNET & JSTOR OA and Indian reputed Publisher)	3390	3460	3460	8985	9291
4.	No of E- Journals (Including DELNET OA)	5510	8675	8675	8675	8675
5.	No of Print Journals & Magazines	6	98	98	98	120
6.	Periodicals (Dailies)	7	14	14	17	21
7.	C.D/DVD ROM	345	41	21	54	09
8.	Institutional Membership	5	7	8	8	08
9.	Thesis	-	-	-	-	01
	Membership					
10.	Staff & Students	290	1120	1005	1056	1941

### 6 Initiatives

### 6.1 Institutional Memberships:

SRM University A.P – Amaravati Library has taken and continue Institutional membership from various library networks to improve the existing facilities and collection to provide better services to facilitate sharing of resources. Some of these networks & Data bases are:

- DELNET (Developing Library Networks)
- > National Digital Library (NDL)
- ➤ INFLIBNET
  - E-ShodhSindhu
  - Shodhganga
  - ShodhChakra
  - Vidwan
  - IRINS
  - E-PG pathashala
- Urkund
- > INFED
- > Turnitin
- > IRRO
- ➤ NPTEL/SWAYAM.

### 6.2 E-Resources available through the Central Library (e-Journals, e-Books, and E-Contents):

The SRM University A.P **subscribes to the** most reputed Online Journals and **renews from** time to time. The details following:

- a) IEEE online journals which provide international standard journal articles, conference proceedings, standards, international magazines & newsletters.
- b) JSTOR Journals Data base it has India comprehensive collection more than 3,000+ journals which covers Science and humanities multi-disciplinary collection.
- c) Math Scinet (A Mathematical review database having more than 3.5 million items from 1800 Journals)
- d) EPW Access to Electronic and Political Weekly digital journal.
- e) EPWRF India Time Series (EPWRFITS) a database which provides a wide range of macroeconomic and social statistics on Indian Economy in a time series format, structured in different subject modules.
- f) Developing Library Network (DELNET). A database which provides 3700 full e-Books, 5000+ e journals
- g) Central Library has access to 300+ e-books as per university curriculum for Faculty & Student's reference from different national's reputed publishers.

### 7. Library services.

### 7.1 Reprographics Facilities:

Provides for the personal use of users copies of information materials available in library on payment basis at nominal pricing.

### 7.2 Wi-Fi Facility:

The University as well as Central Library Has 24X7 Wi-Fi enabled facility to access online teaching & learning e-resources for the user community of the university.

### 7.3 Textbook Lending for Home Study (Textbooks):

The Book Borrow Facility helps the students of SEAS & SLABS Students and Ph.D. Scholars by making textbooks available to them.

### 7.4 Classification & Cataloguing (OPAC):

The library books are classified as per "Dewey Decimal Scheme of Classification. The library has computerized catalogue search Facility available to users with systems at library.

### 7.5 RFID Implementation:

Central Library has implemented the Radio Frequency Identification (RFID) system. It is the best automated library automation system used worldwide and is an effective way of managing collections of the library and providing enhanced services to the users having benefits.

### 7.6 Membership:

The membership of the Central Library is open to students, teachers, and the other staff of the institute. The present membership is about 5000+ approximately.

### 7.7 Remote Access:

Remote Access facility available for e-content subscribed by the University through INFED platform.

### 7.8 URKUND & Turnitin:

SRM University-AP has been providing Plagiarism check facility for faculty, Research Scholars and students.

### 7.9 Information about New Arrivals:

New arrival information about books and periodicals will inform the University Faculty, Research scholars and students time to time.

### 7.10 Library Orientation:

As a part of the University orientation program, Central Library staff guide the new members/students. Through this service the freshers will get more information about the library resources, services and rules. So, that they can use library resources and services up to a great extent.



### 7.11 Other Services:

- a) Separate General and Reference Books Section.
- b) Database Search through DELNET & INFLIBNET.
- c) Resource Sharing/Inter Library Loan.
- d) Open Access Facilities for Textual Documents.
- e) Reference Books Section.
- f) Journals of National and International repute.
- g) Cafeteria attached to the Central Library.

### 8. Other Initiatives during the F.Y 2021-22:

- 8.1 The Central Library has subscribed and get access to 300+ e-books from the different national reputed publishers as per the University curriculum for the purpose of University staff & students reference.
- 8.2 The Central Library has subscribed and get access to 120+ subjects related, general and competitive related

National print journals and magazines for the purpose of University staff & students reference.

- 8.3 EPWRF India Time Series (EPWRFITS) a database which provides a wide range of macroeconomic and social statistics on Indian Economy in a time series format, structured in different subject modules.
- 8.4 The Central Library implementing Turnitin anti plagiarism check tool/software (with the support of ITKM department). The primary purpose of using Turnitin is to provide students with an interactive means of understanding and applying citation and referencing techniques in their work, and provide online grading to academic staff
- 9. Workshops/seminars/conferences/training programs attended by Library staff members at recognized academic institutions:
  - ➤ We have participated and presented a Paper at ILA International conference on "OPEN ACCESS SOURCES AND INFORMATION SERVICES DURING POST-COVID TIMES:

- Challenges and Opportunities" held at Dravidian University, Kuppam, Andhra Pradesh from 24<sup>th</sup> to 26<sup>th</sup> –March-2022.
- ➤ We have participated in few distinguished Lecture series time to time conducted via online by SRM University- A.P Andhra Pradesh.
- > We participated in many online webinars, workshops and few Faculty development programs/courses which are related Library profession and help us to enhance our professional career and to improve library in house functions skills.

# International Collaboration & MoU's

The following lists the international collaborations and MoU's signed.

Sl. No	QS Ranking	Remarks	University Name	Country
1	1		Massachusettes Institute of Technology (MIT) - World education Laboratory	United States of America (USA)
2	32	SAP	College of Engineering - University of California - Berkeley	United States of America (USA)
3	71	SAP + Twining Program	Illinois Institute of Technology	United States of America (USA)
4	75	SAP	University of WISCONSIN	United States of America (USA)
5	112	SAP	The Regents of University of California, On behalf of its Davis Campus (UC Davis)	United States of America (USA)
6	168	Twining Program	National Tsing Hua University	Taiwan
7	362	Twining Program	Northeastern University	United States of America (USA)
8	407		Flinders University	South Australia
9	424		James Cook University	Sinapore
10	600		Asia University	Taiwan
11	2779		University of Skovde	Sweden
12		Online	Harvard Business School Online	United States of America (USA)
13			EFREI, Engineering School of Information and Digital Technology, Paris	France

# Corporate Relations and Career Services (CR & CS)

CR & CS department acts as an interface in bringing about the corporate world and the student life come together. It amplifies the opportunities and the magnitude of the students' capabilities in order to enhance the competition in this competitive world. CR & CS department is such a platform that helps the companies to find budding and energetic talent and the students in achieving their dream fulfilling jobs.

Placement season at SRM usually starts from July every year. But its foundation is laid right from the first year itself. Our curriculum is designed in such a way that every student benefits, and we give more importance to industry learning than theoretical learning. For this, we invite eminent people in the industry from various fields to delegate lectures and impart to them the knowledge about the world out there. When, at the time of placements, we give opportunities from their third year, so as to ensure that they are well equipped.

At the commencement of the placement season, we offer super dream and marquee opportunities to our students, that are above 10 LPA package. This will go on till the end of August. From September, dream offers are provided to our students, whose package ranges between 5-10 LPA. Later, day sharing company offers will be provided parallel to the dream offers. These placement opportunities are provided to the students till the end of their academic session.

Making one's dreams and aspirations come true, one needs to work meticulously, so we at CR & CS, have people assigned to fulfil various objectives. In short, we are a team where each person is given a specific duty to ensure complete focus throughout the process and enhance the credibility of the work.

Together we do and together we succeed.

### **Placement Process:**

The Placement policy is framed in discussion with all concerned placement stakeholders.

The mission is to provide equal opportunity to all the students as per their desired career.

path and to fulfill the recruitment need of the partner companies.

The SRM University-AP strictly follows the below Placement guidelines:

### **Classification of Companies**

- o **Internship Only** Companies offering only Internship with NO job assurance.
- o Day1 / Day2 Companies offering IT Services jobs and doing mass recruitment.
- o I.T/ Non-I.T Offers Companies which offer IT / Non IT jobs with CTC between
- o LPA to 4.99 LPA (Non-IT Category may go higher)
- Core Offers Companies which offers jobs for core engineering branches (excluding CSE)
- Dream of Offers Companies which offer CTC between 5 LPA to 9.99 LPA
- o **Super Dream Offers** Companies which offer CTC between 10 to 19.99 LPA
- o Marquee Offers Companies which offer CTC >= 20 LPA
- o **International Offers** Companies which offer overseas placement.

### **Registration Process**

- All students will be notified when registration is open for placements.
- Registration will be on the placement portal.
- Students opting for placements should pay a placement fee through the placement portal for enrolment.

### **Training**

SRM University-AP understands the requirements of today's world. Therefore, our experienced trainers have developed courses to provide students with not only soft skill training but also with other professional training. With a team of highly experienced trainers, training team is involved in developing student's Competency Skills like Quantitative Aptitude, Analytical Reasoning, Verbal Ability, Behavioral Skills, Interview Handling Skills and apart from that also involved in training Domain and Coding skills.

SRMAP has Training Partners and Assessment Partners who are actively involved in bridging the gaps between academia and industry beginning from the first semester till the sixth semester.

The training modules are designed to help students in cracking placement interviews, national and international coding contests like hackathons and other competitive exams.

Apart from the regular academic course, the schedule below is for the training program for industry readiness.

**Student counselling sessions** are handled by the professionals on our campus who are not only skilled but have doctorates in the field of Psychology. It also provides them with insights about stress handling and maintaining their composure during the placement drives.

S1.	Batch	Semester	Students Count	Training	Description						
No	Daten	Schiester	Students Count	Training	-						
			Company S Training Company S	Placement Ready Technical Training	Programming Language Training to match the industrial drives						
				Company Specific Training	Training completely focused on the drive specific						
				Company Specific Assessment	Assessments completely focused on the drive specific						
1	2018- 22	7th & 8th Semester 1053 Students		1 1053 Stud	1053 Students	One-to-One Mock Interview	Live mock interview by Industrialists to analyses students' strengths and weakness				
			Alumni Session	Alumni Sessions to provide company specific inputs							
			Industrialist Talks							Industrialist Talks	Industrial Experts sharing the roadmaps towards career paths
				Foreign Language Training	To upgrade their language skills matching the global opportunities						
				Industrial Standard Employability Skills	Non-Technical tutoring for holistic development						
2	2019- 23	5th & 6th Semester	750 Students	Industrial Standard Coding Practices	Technical tutoring to meet industrial standards						
			Placement Training	It is to help the students to enhance their skills in all the realms of the industry							
				Company Specific Training	Training completely focused on the drive specific						

				Company Specific	Assessments completely
				Assessment One-to-One Mock Interview	focused on the drive specific  Live mock interview by Industrialists to analyses students' strengths and weakness
				Resume Building	To enable the students to express about themselves in industrial format
				Foreign Language Training	To upgrade their language skills matching the global opportunities
				Industrial Standard Employability Skills	Non-Technical tutoring for holistic development
3	2020- 24	3rd & 4th Semester	825 Students	Industrial Standard Coding Practices	Technical tutoring to meet industrial standards
	24	Semester		Group Discussion - CDC	To take initiatives for building the students verbal skills
				Extempore - CDC	To take initiatives for building the students interpersonal skills
				Industrial Standard Employability Skills	Non-Technical tutoring for holistic development
4	2021- 25	1st & 2nd Semester	1635 Students	Industrial Standard Coding Practices	Technical tutoring to meet industrial standards
	23	Semester		Group Discussion - CDC	To take initiatives for building the students verbal skills
				Extempore - CDC	To take initiatives for building the students interpersonal skills
Ę.	2019-	7th & 8th	40 - 100	Japanese language training	Japanese Language Training - to match the international industry requirements.
3	5 23 Semester Students		German Language Training	German Language Training - to match the international industry requirements.	

### **Third Party Assessment**

### **About Diagnostic Career Test (DCT)**

The idea behind the program is to use scientific data in diagnosing training needs, training and then measure training effectiveness. Our third-party vendors generally use years of understanding of campus recruitment and gives critical insight into type of questions, construct of industry assessments and typical cut offs.

Cognitive Abilities	Skill Based
Quantitative Ability	Coding
Analytical Reasoning	Domain
English Usage	
Employability Aptitude Test	
Written English Test	

The above is an employability test to assess students across range of skills like aptitude, technical, personality, coding, domain etc. The score is then used by corporate across India for hiring.

Core Competencies tested.

- o Ability to understand or visualize any real time Problem.
- o Systematic or Sequential approach towards problem Solving.
- o Ability to Analyze
- o Ability to deal with numbers.
- o Ability to transform conceptual models into real time systems.
- o Verbal and Written Communication Skills
- o Domain specific and technical skills
- o Personality profile of the candidate to evaluate potential fit.

### **Placements**

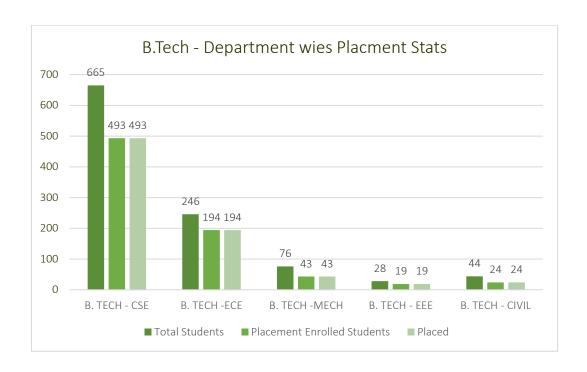
The CR & CS Dept firmly believes in 'Industry-Institute Interaction'. In order to accomplish 'Industry-Institute Interaction', it organizes technical talks and national seminars to provide a platform for potential engineers to interact with professionals from various industries. The college has signed MOUs with many industrial organizations and industrial chambers.

Holding a job offer while studying and securing an offer just after graduating is definitely what most of the students dream of hence Placement Division strives hard to make this dream come true. The vision of our CR & CS department is "To place each student in the right company, at the right position, with the best package, that best suits the skills of the student."

School Engineering Applied Sciences					
Branches	Total Students	Placement Enrolled Students	Not Interested / Back log/Higher studies & Start-up's		
B.Tech - CSE	665	493	172		
B.Tech - ECE	246	194	52		
B.Tech - MECH	76	43	33		
B.Tech - EEE	28	19	9		
B.Tech - Civil	44	24	20		
Total	1059	773	286		
M.Tech- CSE	11	7	4		
M.Tech- ECE	6	4	2		
M.Tech- MECH	10	10	0		
Total	27	21	6		
B.Sc- Physic	2	0	2		
B.Sc- Computers	5	4	1		
B.Sc- Biology	8	0	8		
Total	15	4	11		
	School of Liberal	Arts and Social Sciences			
B.A - History	3	0	3		
B.A - Psychology	9	0	9		
B.A - Economics	3	0	3		
Total	15	0	15		
	School of Entrepreneur	ship and Management St	udies		
BBA	47	8	39		
MBA	17	13	4		
Total	64	21	43		

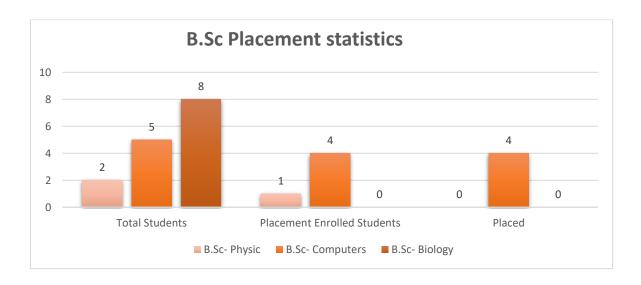
School Engineering Applied Sciences: B.Tech

School				
BRANCH	Total Students	Placement Enrolled Students	Placed	% Placed
B. TECH - CSE	665	493	493	100
B. TECH -ECE	246	194	194	100
B. TECH -MECH	76	43	43	100
B. TECH - EEE	28	19	19	100
B. TECH - CIVIL	44	24	24	100
Total	1059	773	773	100



### School of Engineering and Sciences: B.Sc.

School of Engineering and Sciences (SEAS)					
BRANCH	Total Placement Enrolled Students		Placed	% Placed	
B.Sc- Physic	2	0	0	0	
B.Sc- Computers	5	4	4	100%	
B.Sc- Biology	8	0	0	0	

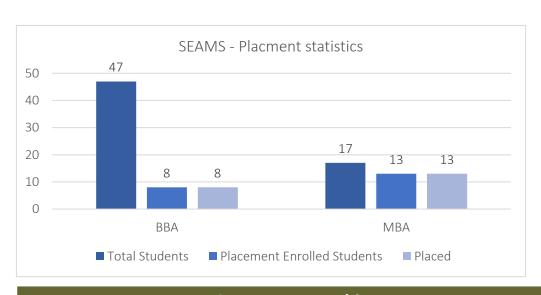


### School of Liberal Arts and Social Sciences:

School of Liberal Arts and Social Sciences	Total Students	Eligible/Reg Students	Placed
B.A - History	3	0	0
B.A - English	9	0	0
B.A - Economics	3	0	0
Total	15	0	0

### **School of Entrepreneurship and Management Studies**

BRANCH	Total Students	Placement Enrolled Students	Placed	Placement %
BBA	47	8	8	100%
MBA	17	13	13	100%
Total	64	21	21	100%



### **Summer Internship**

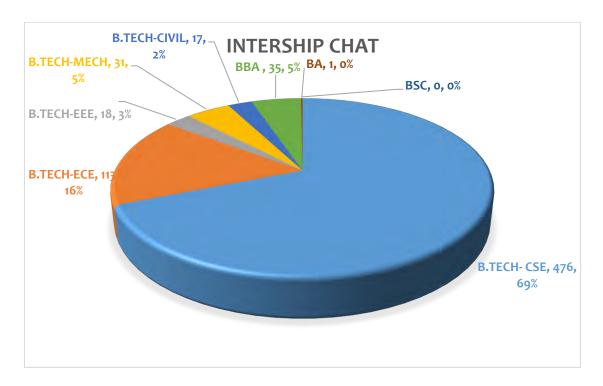
Summer internships are usually six to eight weeks long and can be full or part-time. More students do internships during the summer than during any other time of the year. These short-term experiences provide a real insight into what it is actually like working in a particular job or career field. There's ample time to get into a regular work routine and gain valuable knowledge and skills.

**Internships** are educational and career development opportunities, providing practical experience in a field or discipline. They are structured, short-term, supervised placements often focused on particular tasks or projects with defined timescales.

An internship may be compensated or non-compensated. The internship has to be meaningful and mutually beneficial to the intern and the organization. It is important that the objectives and the activities of the internship program are clearly defined and understood.

SRM University, AP successfully completed its summer internship process for the 2023 batch of all SEAS & SLABS. All companies made internship offers to the class of 691 students.

CSE	ECE	EEE	MECH	CIVIL	BBA	BSC	BA	TOTAL
476	113	18	31	17	35	0	1	691



### **Hackathons & Webinars**

### Webinars

S1. No	Date	Topic	Name of the Speaker	Number of students attended
1	6/6/2021	Business & Covid - Skills, Capability and Way Forward	Mr. Sathya Prakash Sekaran	250
2	6/19/2021	The Future of Technologies.	Mr Joshua David M D	225
3	6/26/2021	Practice to Perfect- Interactive session	Mr.Anurag Kirti	210
4	6/26/2021	Coding session	Mr.Narayan Mahadevan	222
5	7/3/2021	Career Opportunities in Automotive Electronics	Mr. Sankar Sundarlingam	212
6	7/10/2021	Open Secrets at Workplace	Mr. Saumar Choudhury	232

7	7/12/2021	Interview Handling Skills	Mr. Sushanth Sharma	275
,	7/12/2021	A Guidance program on	Wir. Sustantii Starma	270
8	7/30/2021	Career Opportunities after B.Tech	Mr. S. MM Trinath	245
9	7/31/2021	Mental Health and Peak Performance	Mr. Ankit Jhamb	280
10	8/5/2021	India's AI Adoption Story	Mr.Anant Maheshwari, Debjani Ghosh	295
11	9/3/2021	Expressing your way into a successful career: The art of workspace communication	Ms. Moushumi Roy	215
12	9/4/2021	Vodafone Tech Orientation Session to conduct Workshop		265
13	9/18/2021	Online Student Workshop on Artificial Intelligence		220
14	9/25/2021	Online Student Workshop on Artificial Intelligence		235
15	10/8/2021	Data Analytics – Insight & Use Cases	Mr. Pawan Kumar VP	220
16	10/9/2021	Online Student Workshop on Artificial Intelligence		215
17	10/16/2021	Online Student Workshop on Artificial Intelligence		240
18	10/22/2021	Data Analytics	Mr Arun Tathare	200
19	10/27/2021	Successful Career Planning & Technical Profile Building for 3rd Year Students	Mr. Satish Anand	246
20	11/13/2021	Artificial Intelligence, Machine Learning and Leadership		278
21	11/19/2021	Cybersecurity: The world of offence and defense	Shri Vikas Kapoor	266
22	12/2/2021	Data breach and Data Protection	Mr.Amit Kadam - Principal Consultant, Cyber-Sec  Ms.Shilpi Medisetti - Senior Consultant, Cyber-Sec  Mr.Shahidhussian Sayyed - Digital Solution Specialist, Cyber-Sec  Ms.Ambika Prasad Behera  Mr.Manikaran Singh	289
23	12/3/2021	Cloud Computing	Mr. Prasad Kumbhare	205
24	12/4/2021	Gateway to Financial Freedom	Mr Rajanikanth	245
25	12/18/2021	Hackathon Best Practices: The Winning Strategies	Mr.Ojasvi Bhatia & Mr.Rohit Sardana	211

26	1 /10 /2022	T 1	1(11NC	275
26	1/18/2022	Fundamentals of Azure	hosted by Microsoft mentor	275
27	1/19/2022	Fundamentals of Azure	Mr.Aman Manapure	285
28	1/21/2022	AI Industry and Future	Mr. Abhishek Jain	214
29	2/4/2022	Expert Talk on AI & MI	Mr. Rehan Guha.	229
30	2/5/2022	Introduction to AKS	Mr.Dibyasom Puhan	256
31	2/19/2022	Deploy static website over Azure	Mukesh Kumar Rao	288
32	2/25/2022	Expert Talk on Managing Security in Cloud	Mr. Prateek Vashistha, Leader ADIT & TSP	290
33	2/26/2022	Be Industry Ready	Mr Joshua David M D	275
34	3/5/2022	Dream HighGo Marquee	Mr Shivaraj	211
35	3/12/2022	Preparing for life- changing decisions	Mr Vivekanandh L	245
36	3/24/2022	Work environment in both Fujitsu and Japan		255
37	3/26/2022	Industry Expectations today	Mr D. Eregamani	295

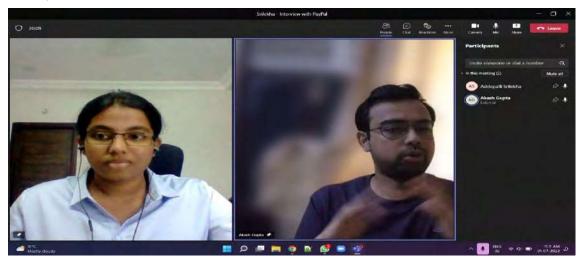
### Hackathons

S.no	Name of the Hackathon	Date of posted	S.no	Name of the Hackathon	Date of posted
1	Neo Coadethon V2	5/24/2021	29	Codeagon by Innovation Labs	9/18/2021
2	Lowe's India Codeathon	5/24/2021	30	Future ready Talent- Microsoft	9/20/2021
3	Flipr Hackathon	5/31/2021	31	Upgrad - Hackombat 2.0	9/30/2021
4	Ode-to-Code Hackathon	5/31/2021	32	<b>Code Kaze National Level Competition</b>	02.03.2022
5	Ace Hackathon	6/2/2021	33	Amazon Web Services	02.12.2021
6	Walmart code for her	6/7/2021	34	KPMG Ideathon	02.12.2021
7	Amazon Wow Fireside chat	6/9/2021	35	Scaler Code X 2.0	03.02.2022
8	Juspay hiring challenge	6/14/2021	36	Innovacer Microsoft Challenge	03.03.2022
9	Capgemini	6/18/2021	37	Walmart She Coders	05.03.2022
10	Amazon WoW Coding	6/19/2021	38	Facebook Metaverse	06.12.2021
11	FlipKart GRiD 3.0	6/28/2021	39	Myntra Hacker Ramp Hackathon	07.10.2021
12	Yeah hackathon	7/3/2021	40	Kotak Bank	07.12.2021
13	Amazon ML Challenge	7/8/2021	41	HackWithInfy challenge	09.02.2022
14	Publicis Sapient	7/8/2021	42	GitHub Workshop+Hackathon	09.11.2021
15	India Plastic Challenge	7/9/2021	43	ZS Associates Ace-a-thon	11.10.2021
16	Codeagoda by Agoda	7/17/2021	44	Code Ninjas Code Kaze	11.11.2021
17	Novus X.0 Faurecia	7/20/2021	45	Caterpillar IDP	14.02.2022
18	Accenture Innovation Labs	7/20/2021	46	Juspay hiring challenge	16.02.2022
19	Microsoft Internship	7/21/2021	47	EY Techathon Innovation Hackathon	16.10.2021
20	Kurius Hacks summer Edition	7/27/2021	48	TATA Imagination Cup	16.10.2021
21	Tezasia	7/27/2021	49	TCS HackQuest	16.12.2021
22	Zeta Hacks 3.0	7/30/2021	50	AB In Bev	17.02.2022
23	Flipr Hackathon X	7/30/2021	51	Unisys Innovation Competition	17.12.2021
24	IBM	7/30/2021	52	NetApp innovation Women Hackathon	17.12.2021
25	The Math Company- Triathlon	8/7/2021	53	instabase Hiring challenge	20.12.2021
26	L&T TECHgium	9/14/2021	54	TCS Codevita	28.10.2021
27	Adobe Analytics Competition	9/16/2021	55	Facebook Metaverse AR	29.12.2021
28	Xiaomi Ode 2 Code	9/17/2021	56	PhonePe Tech Scholars Challenge	30.11.2021

### **Mock interviews**

**Mock interviews-** A mock interview, also known as a practice interview, is a simulation of an actual job interview. It provides job seekers with an opportunity to practice for an interview and receive feedback on their interviewing skills.

Mock interview is conducted as a practice job interview held with a professional career counsellor. A mock interview helps you learn how to answer difficult questions, develop interview strategies, improve your communication skills, and reduce your stress before an actual job interview.



It was conducted by Department of CR & CS Department for the benefit of students to get the taste of the entire placement process during the Campus placements and also the feedback was given to students by HRs of various esteemed organizations, so that the students know where they stand in the competition. Industry HRs attended the process to help the students in gauging their Aptitude, Technical and other skills and gave them their valuable suggestions.

# Drigenal Sounds Co. Peccerdang... II Suhas sasetty Akhila, CRCS, S... Prateck Kaistha AP19110010148... AP19110010293... Gauthami Kandr... Udayshankar bu... Girishma Tumm... Masoom Anas K... AP19110010293... Surya Nainekka Kakar... Yuvaraj T T Dhinesh Kuma... AP19110010296... KALYANREDDY ... AP19110010534... KALYANREDDY ... AP19110010534... KALYANREDDY BEZAVADA ... AP19110010534... Karthik Praturi AP19110010... SANCHITA RAWAT AP19110... Priyadarsini AP1 Surya AP19110020094... AP19110010534... AP19110010538... AP19110010534... AP19110010534... AP19110010534... AP19110010538... AP19110010538... AP19110010538... AP1911001038... AP1911001038...

### Parents meeting

**Parents' meeting:** Parents' meeting was organized, to make parents of 2022 Batch of SRM, AP the current opportunities in industry and also make them know where their wards stand in the competition and how the preparation of the students has to be for the upcoming campus Placements through Virtual Mode.

# **Physical Education Department Activities**

The following lists the key sports activities of SRM University-*AP* in 2021-2022:

- ➤ International Yoga Day was conducted on June 21, 2021
- > SRM AP Andhra Pradesh conducted National Sports Day Aug 29, 2021.
- Played a number of cricket Friendly Matches with other colleges and participated in Sakshi Tournaments.
- Played a number of Football Friendly Matches with other colleges.
- SRM University -*AP* Players participated in 2 AIU Tournaments.
  - 1. Archery
  - 2. AIR RIFILE
- SRM University -AP Players participated in 2 South Zone Inter University Tournaments.
  - 1. Tennis
  - 2. Cricket
- Tanoogna from the 3rd year, civil engineering department- She has been practicing the sport archery since March 2021. She practiced at Hyderabad Exhibition grounds, Nampally. She has participated in the following competitions -
  - 1. Indoor National Archery Championship, Salem
  - 2. University Nationals 2022
  - 3. State Level Archery Championship
  - 4. District Level Archery Championship
  - 5. She has won three gold medals (individual, Mixed, and Team) in the Indoor National Archery Championship.
- Beecha Venkata Naga Hareesh with Register Number AP21110010839, 1st year CSE-A section is a talented swimmer. He participated in the 6th SUB-JUNIOR AND JUNIOR INTER DISTRICT INTER AQUATIC CHAMPIONSHIP and got medals.
  - 1)100 backstroke -3rd place and the
  - 2)200m backstroke -3rd place.
- Yerramreddy Bala Ramya Sri (AP21110010762), CSE 2nd year. Last year, she participated in the
  district and state level Wushu competition and received gold medal. This gave her the
  opportunity to participate at the 30th Senior National Wushu (Men-Women) Championship
  held in Bhopal, Madhya Pradesh.
- Abhi Paturi (AP20110050004), Civil A 2<sup>nd</sup> year. In the year 2022, He has participated nationals.

### **Medical Team Activities**

- The medical department provides health care to all students, faculty, and staff of the
  university and organises programmes to increase awareness about the prevention and
  control of various non-communicable diseases like diabetes, hypertension, cancers like
  cervical cancer, breast cancer etc.
- Assisted the SOP team in formulating and proper implementation of SOP for COVID-19 during the pandemic.
- Successfully referred several symptomatic and asymptomatic COVID-19 patients to the hospitals.
- Monitored all positive Covid-19 patients on campus and outside the campus and assisted those Covid-19 positive patients in getting admission to the hospital in case of necessity.
- Provided oxygen concentrators to the needy Covid-19 positive patients staying outside the campus.

### Webinars:

- 1. Covid19 vaccination A life Saviour on 28/04/2021 for the benefit of staff, faculty, and students.
- 2. On WORLD, NO TOBACCO Day 31st May 2021, with a theme **COMMIT TO QUIT** webinar session on demerits of tobacco usage, health risks, benefits of quitting tobacco, challenges of quitting and quick tips on quitting tobacco.
- 3. In association with the Student Affairs department, weekly sessions were conducted during the 2<sup>nd</sup> wave of covid19 pandemic as the **TALK TO YOUR DOCTOR** programme and provided medical guidance and answered queries related to covid19 and general health problems.
- 4. **Safe online learning** for students during the orientation programme in the month of September 2021.
- 5. During the freshers' orientation programme, a talk was given on the COVID-19 Pandemic about the spread and precautions that need to be taken and guidance regarding COVID-19 vaccination.

### Medical camps & Awareness programmes:

- 1. In coordination with Ramesh Hospital, **covid19 vaccination drive** was conducted on the SRM *AP* campus for all faculty members and eligible SRM staff in the month of June 2021.
- 2. In the month of August, with support from GOVT PHC, a free **vaccination drive** was arranged on campus for all eligible faculty and students.
- 3. Flyers are released on Dos and Don'ts about vaccination.
- 4. On world diabetes day, a medical camp was organised with RSSDI (Research Society for Study of Diabetes in India) with the slogan **ONE NATION**, **ONE DAY**, **ONE MILLION TESTS** on 29<sup>th</sup> September 2021 and tested around 184 individuals (staff, faculty) and provided necessary guidance and awareness about diabetes prevention and control.
- 5. On Police commemoration day, 21st October 2021 Indian Red cross society Mangalagiri in coordination with SRM NSS cell blood donation session was organised in Mangalagiri. Our medical team attended along with SRM *AP* voluntary blood donors and provided the necessary guidance and support.

- 6. In support of the NSS cell, on 28th March 2022, in the village of Kuragallu health check-up camp for Govt primary school students was organised where children were examined, guided, and provided necessary care to a total number of children around 80.
- 7. Conducted awareness programme for staff & faculty on prevention of cervical and breast cancer on International Women's Day on 08th March 2022.
- 8. Basic training is given to NSS students on First Aid and CPR (Cardiopulmonary Resuscitation).

### Other Activities:

- MOU is renewed with NRI hospital, and MOU with AIIMS Mangalagiri is in process.
- Assisted some faculty members with their research activities.
- Displayed posters over the campus on Covid-19 appropriate behaviour.

### Voluntary service outside the university by Dr Ch Lakshmi Rajyam:

VOGS is the Vijayawada chapter of FOGSI (Federation of Obstetrics and Gynaecology Society of India), as a member of VOGS participated in DHEERA online programme for school students (9th, 10th, 11th, and 12th class) to sensitise the students against VAW (Violence Against Women). This is the brainchild of FOGSI president Dr Shantha Kumari.

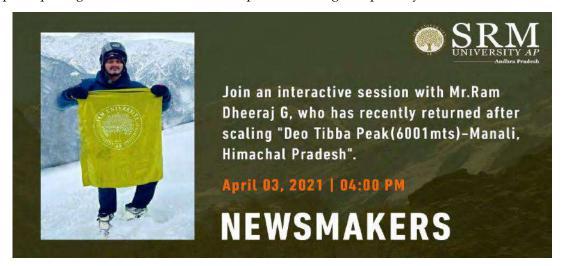
### **Student Affairs**

April 2021

1. The Newsmakers: An interactive session

Date: 03-04-2021

A very interactive newsmaker session took place with Mr. Ram Dheeraj G. who had returned from Deo Tibba Peak of Manali. This peak is one of the 6000 meters' peaks. Other students and participants got a chance to share their experiences and get inspired by their dreams.



2. Session on Getting Goal Directed: (By Aayushi Sharma - Student Counsellor, SRM University, AP)

Date: 03-04-2021

Dr Aayushi Sharma, Student Counsellor of SRM *AP*, took an amazing and motivating session on goal setting in life. Students and other participants got a chance to interact directly with her for a better life lesson. This online event took place on 03-04-2021.



# 3. Session on Health in our hands (On the occasion of World Health Day) - Dr Srimadhuri, MBBS

Date: 07-04-2021

The students and all the participants got a chance to communicate directly with Dr Srimadhuri on the occasion of World Health Day. She explained how important it is to keep ourselves safe and secure during this time of the pandemic. Keeping hands and surroundings clean can keep away many diseases.



# 4. #MarvelfanoftheSemester AND #DCfanoftheSemester Competitions: (By SRM AP Farbe Club)

Date: 14-04-2021

SRM *AP* Farbe Club arranged a very interesting and fun event between Marvel and DC fans. There were competitions arranged for the participants on 14-04-2021. There were several rounds, and the winners of the final round were given the title.

### MarvelfanoftheSemester Competition Poster



Final Round of MarvelfanoftheSemester (Screen Shot)



### DCfanoftheSemester Competition Poster:



Final Round of DCfanoftheSemester Competition (Screen Shot)



### 5. Esports Inter College Tournament: (SRM AP E-Sports Club)

Date: 16th to 18th April 2021

From 16th to 18th April 2021, the SRM *AP* E-Sports Club arranged an inter-college E-Sports tournament. Participants got a chance to take part in various E-Sports and after several rounds, the winners were announced.

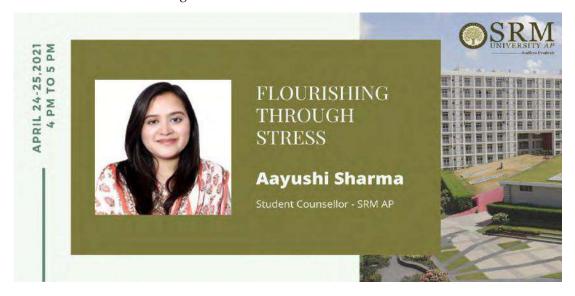




# 6. Two days' workshop on "FLOURISHING THROUGH STRESS": (By Ayushi Sharma - Student Counselor - SRM AP)

Date: 24th & 25th April 2021

Dr Aayushi Sharma took interactive sessions on stress management. The topic was to understand the patterns of stress and how to overcome them. Also, how to make this time flourish and make better things.



# 7. The Newsmakers: - An interactive session with Sai Akhil, who is selected under - 19 Andhra State Team

Date: 26-04-2021

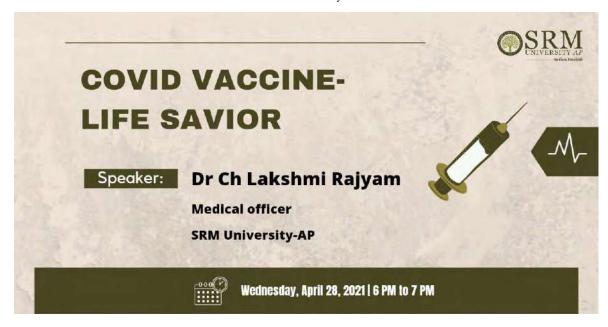
Sai Akhil was selected in the under-19 Andhra state cricket team to play the Vinoo Mankad Trophy tournament organized by BCCI. The story of his journey was undoubtedly inspiring for everyone. This event took place online on 26-04-2021.



# 8. Webinar On Covid Vaccine-Life Savior: (By Dr Lakshmi Rajyam - Medical Officer - SRM AP)

Date: 28-04-2021

The recent pandemic has taken a toll on everyone's life. Taking a vaccine can save lives and other aspects of living. Dr Lakshmi Rajyam, the medical officer of SRM *AP*, took an informative session on Covid-19 vaccination on 28-04-2021 for everyone.



May 2021

### 1. The Newsmakers: An interactive session with Bismark Razak

Date: 08-05-2021

The exalting sessions on "The Newsmakers" leave no stone unturned to inspire students with motivating stories of their peers and known personalities. The Department of Student Affairs presents Bismark Razak Haruna in this week's session. Bismark, a B. Tech Final Year Student at the Department of Mechanical Engineering, is deemed to be bestowed on the highly prestigious Erasmus Mundus scholarship. The globally acclaimed European Union-funded scholarship will help Bismark pursue the joint master's degree programme in Decentralized Smart Energy Systems (DENSYS) at renowned universities in Europe.

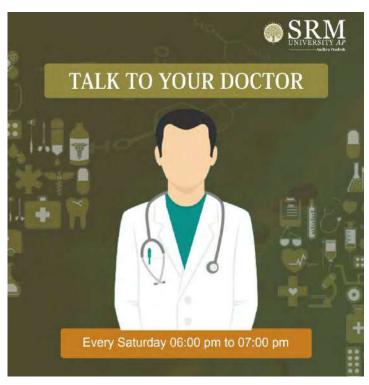
Bismark sets an example by being the first Ghanaian to get into the DENSYS program. He expressed that as part of the mobility scheme of the programme, he would pursue the first year at the University of Lorraine, Nancy, France, and continue the final year at the Polytechnic University of Catalonia, Barcelona, Spain. The Erasmus Mundus Scholarship helps students enrol into the world's best universities for masters and doctoral Programmes with substantial benefits. Needless to say, it is an exceptional achievement to secure the prestigious scholarship out of numerous candidates all over the world.



2. Session on Talk to your Doctor: By Dr Lakshmi Rajyam & Dr Lakshmi Kiran - Medical Officers- SRM AP

Date: 08-05-2021 & 15-05-2021

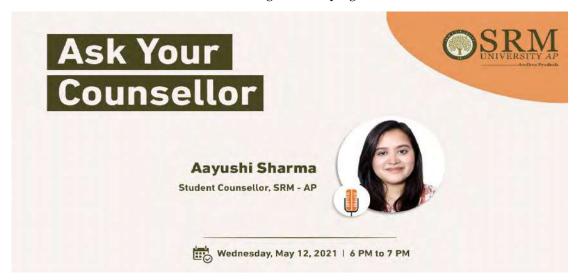
With the pandemic forcing the students and staff to be confined at home, quite a lot of them feel very scared even to go to the hospital. The sessions Talk to your Doctor is bringing the doctors virtually near you to clarify and get advice from the medical team at SRM *AP* regarding their and their family members' health issues.



# 3. Ask Your Counsellor – Live Q & A session with the Counsellor by Ayushi Sharma - Student Counselor - SRM AP

Date: 12-05-2021

Emotional distress, stressors, low mood, depression, and anxiety were becoming common among the students. To address this issue, the student counsellor of the University took the virtual mode to reach out to the students who needed support. The queries which could be openly handled were addressed right then, others who needed further counselling sessions were advised about that, and the same was arranged for helping out the students.



# 4. Webinar on Commit to Quit (On the occasion of World No Tobacco Day) By Dr. Lakshmi Rajyam & Dr. Lakshmi Kiran - Medical Officers- SRM AP

Date: 31-05-2021

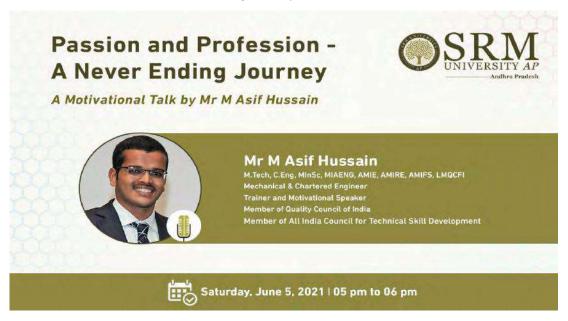
World No Tobacco Day is observed annually on May 31 by the World Health Organization (WHO) and global partners to raise awareness on the dangers associated with tobacco usage. Following the theme of this year- "Commit to Quit", SRM University-*AP* has organized a seminar to spread awareness and urge university students, teachers, and other employees to take a digital pledge to be restrained from using tobacco.



June 2021

### 1. Passion and Profession-A never Ending Journey (Motivational Talk)

All our dreams can come true if we have the courage to pursue them. We sometimes need someone to remind us about them. And so, the university organized a motivational talk by Mr M Asif Hussain, a well-reputed man who did excellently well in his career because of his passion towards it. It was conducted on the 5th of June from 5 pm to 6 pm. He spoke on the topic "Passion and Profession-A Never Ending Journey".



### 2. Session on Talk to Your Doctor

Date: 05-07-2021



This session was conducted on the 5th of July 2021 by Dr Lakshmi Rajyam and Dr Lakshmi Kiran, medical officers of SRM *AP*. They had a teleconsultation with the students and the staff of the university. They also advised the students, faculty and staff on their health issues and their questions regarding vaccination. It was a very helpful talk.

### 3. Online Quiz Competition: (On the Occasion of World Environment Day)



The United Nations Assembly established **World Environment Day** in 1972 to fundamentally raise awareness among people about the importance of ecosystem preservation. Since then, World Environment Day has been observed on June 5 annually with eco-sensitive themes to remind individuals and organizations about their duties and responsibilities towards the gift of nature. The Department of Student Affairs, SRM University-*AP*, organized a "Quiz Programme" for the students on June 5th,2021 at, at 7 pm to ensure commitment to the earth's reviving mission as a green and sustainable university.

### 4. Counselling session by student counselor

A class counselling session was conducted by the student counsellor for all the final year students of BTech, MTech, and BBA who appeared for the placements. They discussed 'Building confidence',' Setting a goal', 'Building self-esteem and refraining from thoughts. It was carried on from 7-06-2021 to 30-06-2021. This session did help the final years.

# 5. The Newsmakers - Interactive session with SVS Harsha on getting admission at IIM Shillong



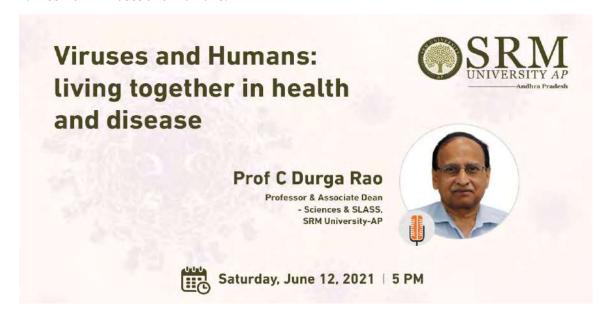
**SVS Sri Harsha**, a final-year BSc Computer Science student, received admission offers from India's top business schools. He hails from Vijayawada and completes his schooling in Delhi. He scored a percentile of **98.9** in **CAT** and has got the opportunity to study MBA at any one of the IIMs in Shillong, Kozhikode, Raipur, and Bodh Gaya. In addition, Rajeev Kireeti, a final-year student, secured a super dream offer at Byjus with a 10 LPA. He, too, shared his views. This session was conducted on 07-06-2021.

### 6. The Newsmakers - Interactive session with the team Abhimanyu and Bheeshma, helping people and need



Team Abhimanyu and Team Bheeshma are a group of IT graduates from SRM Institute of Science and Technology, Kattankulathur, Chennai. The main objective of the teams is to help vulnerable groups in society. They are perfect examples of old heads on young shoulders who sail on philanthropic voyages in spite of the challenges. Neelesh Kumar, Prasanth Koyyalagunta, Prudhvi Vishwanadhula, Ruchika Pattjoshi, Vishnu Padmaraju, Parthu M, Irfan, Manoj Bhuma, Dinesh DT, Sai Sandeep, Vudutha Akhil, Akhil Thallada, and M Nikhil Kumar Reddy are young minds pursuing higher studies abroad or employed at reputed MNCs in India. The Department of Student Affairs, SRM *AP*, invited the teams on "Newsmakers" on June 12, 2021, at 11.00 am to share their incredible experiences on the path of serving humanity.

#### 7. Webinar - Viruses and Humans:



An online panel discussion on the topic "Viruses and Humans: living together in health and disease" was held on June 12, 2021, at 5.00 pm, under the auspices of SRM *AP*, Andhra Pradesh. Prof C Durga Rao, a leading scientist in the field of Virology in India, chaired the session and elucidated the history of humans and viruses being cohabitants. He is also the Associate Dean-Sciences, and School of Liberal Arts and Social Sciences (SLASS), SRM *AP*.Dr. Imran Pancha, Assistant Professor, Department of Biology, SRM *AP*, and Revathi Balakrishnan, Assistant Director, Student Affairs, SRM *AP*, also joined Dr Rao on the panel.

8. The Newsmakers - An Interactive session with Vasika Venugopal & Gowtham Gadupudi (Final Year BSc Biology Students)



Vasika Venugopal and Gadupudi Gowtham, 3rd-year BSc Biology students, have achieved the extraordinary by securing admissions to prominent global universities. The Department of Student Affairs, SRM University-*AP*, Andhra Pradesh invited them to "Newsmakers" on June 16, 2021, at 5.00 pm to have a conversation apropos of their journey to world-renowned universities.

### 9. Session on Talk to Your Doctor:

The session was held on the 19th of June 2021 by Dr Lakshmi Rajyam and Dr.Lakshmi Kiran, medical officers of SRM *AP*. They had a teleconsultation with the students and the staff of the university. They also advised the students, faculty, and staff on their health issues and their questions regarding vaccination. It was a very helpful talk.



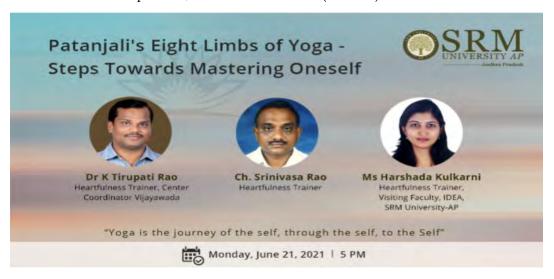
#### 10. #IPL FANS OF THE SEMESTER Event: By THE FARBE CLUB - SRM AP

The IPL is one of the most fascinating and interesting tournaments that feature our favourite players. On the 19th and 20th of June, the Fabre Club organised an amazing event titled #IPLFANOFTHESEMESTER. The event is conducted in four rounds in total, where many students take part in the activities, discussing their favourite players and the game. The Farbe Club put on a wonderful event, and three lucky winners were announced at the end.



### 11. Webinar - Patanjali's Eight Limbs of Yoga - Steps Towards Mastering Oneself:

As a result of the pandemic, it became extremely difficult for individuals to go to gyms for exercise. In the midst of a pandemic, yoga has made our lives trouble-free. SRM *AP* commemorated the 21st of June, designated as International Yoga Day, by hosting a virtual discussion on "Patanjali's Eight Limbs of Yoga-Steps Towards Mastering Oneself". This gathering was addressed by Prof Vajja Sambasiva Rao, Vice-Chancellor, Prof D Narayana Rao, Pro-Vice-Chancellor, and other faculty members and students. The Heartfulness Centre at Vijayawada also collaborated with the university to observe the day with lectures and yoga sessions from Dr K Tirupati Rao, and Sri Srinivasa Rao (Trainers).



### 12. Webinar on Learning a Language and beyond: (Taiwan Education Centre at SRM AP)

Learning a new language makes us feel elated as we get to do something out of the box. In partnership with National Tsing Hua University in Taiwan, SRM *AP* has launched the Taiwan Education Centre (TEC). A webinar was organised on June 24, 2021, at 5:30 pm to present the TEC and its courses to undergraduates, encouraging the students to learn Mandarin Chinese language. Ms HsinYi Huang, Mandarin Chinese Instructor, SRM *AP*, provided students with

information about the course and its career prospects. Dr Sutharshan Govindarajan, Assistant Professor of Biological Sciences and Coordinator of the TEC at SRM *AP*, presided over the program titled "Taiwan Education Centre at SRMAP-Learning a language and beyond!". Students from various courses attended the session, and several students chose mandarin as their elective.



### 13. Workshop on Contented Writing (Content Writing):

Content writing has become a rewarding career in recent years. It needs some form of planning, writing, and editing procedure in order to publish or create work in a fantastic way. On June 26 and 27, 2021, at 10 a.m. The Department of Students' Affairs conducted a free skill development course for aspiring writers titled "Contended Writing.". The guest speaker, Ms Swathi Priya Devaraj is a passionate strategic content writer by choice and a Counselling Psychologist and researcher by profession. This workshop covered fundamentals and techniques for improving one's writing skills. Many students attended the session and learned a variety of techniques to help them enhance their contented writing abilities. Students were also awarded certificates for their participation.



### 14. Webinar - Fault Diagnosis on Mechanical Equipment Using Machine Learning Technologies:

The American Society of Mechanical Engineers (ASME) is a global organisation that fosters cooperation, knowledge sharing, career advancement, and skill development across all engineering disciplines. This programme has been taken forward by Mr. Manikandan - Full-Time PhD Scholar SRM IST Vadapali Campus. Now, SRM *AP* has an ASME Student Section, and our first event was a webinar on mechanical fault diagnostics utilising machine learning approaches. The talk covered vibration signal processing, how to transform raw signals into 2D pictures, and how to use neural networks to analyse the datasets.



July 2021

#### 1. Session on Coping Skills:

Everyone goes through ups and downs in their lives, no matter what they are. The youngsters experiencing challenges in their professions might find it difficult to manage. In order to help students to deal with this problem, the Department of Students' Affairs has hosted a virtual discussion on July 3, 2021, at 3 p.m. with Ms Aayushi Sharma, the Student Counsellor of our university on Coping skills. Students grasped the principles of coping techniques and stated their satisfaction.



### 2. The Newsmakers: An Interactive session with Saptarshi & Rajarshi Mazumder brothers, who bagged International Placements of 50 Lakh

Everyone at SRM *AP* was overjoyed to hear that twin CSE students from the 2017 batch had received the largest package during the placements. The duo bagged jobs at Japan's PVP Inc., a strategic partner of Google, with 50 LPA salaries each. Honouring the twins, Saptarshi and Rajarshi, the Department of Students' Affairs has invited the Mazumder brothers to "The Newsmakers" on July 3, 2021, at 5:30 p.m. They shared their journey from SRM *AP* to a top-tier global organisation. Students were motivated by their talks and acquired suggestions from them in order to ace interviews and get placements.



#### 3. Hackathon by Taipei Economic and Cultural Center

The Taipei Economic and Cultural Center in Chennai organised a Hackathon, with an introductory webinar held on JULY 1 in English. The Presidential Hackathon began online and runs through August 4th. Scholarships and fellowships in Taiwan are announced on the Facebook page "Taiwan in Chennai." An event introduction webinar held on July 1st (in English) from 3.00 pm to 4.00 pm IST. SRM *AP* came up with amazing ideas for this event.

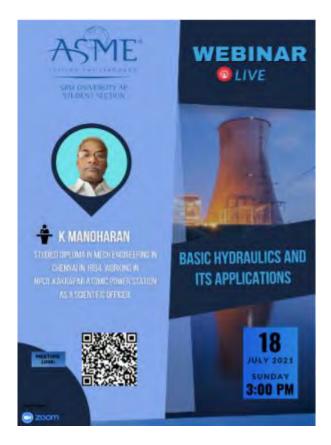
### 4. The Newsmakers - An Interactive session with Sreelekha Bhuvaneswari BSc Physics student who filed a patent for her work titled

Under the supervision of Dr Sabyasachi Mukhopadhyay, Assistant Professor in the Department of Physics, SRM *AP*, a student filed a patent for her work titled "**A fibre material with moisture retention capacity with temperature tolerance and a technique for production.**". The Department of Students' Affairs at SRM *AP* honoured Ms Sreelekha Bhuvaneswari from BSc physics final year in "The Newsmakers" on July 10, 2021, at 5.30 p.m. Her talk, where she said that this research would help to overcome the socioeconomic difference between groups, motivated the students.



#### 5. Webinar on Basic Hydraulics and its applications

People have grown accustomed to living their lives with technological gadgets, such as computers, refrigerators, ACs, etc., for decades. Electricity is used in all these appliances. By the way, how is power generated? To elaborate on this, Mr K. Manoharan from the NPCIL Kakrapar plant was invited for a virtual discussion on July 18, 2021, at 3 p.m. He has prior experience working in the industry and has contributed his expertise and experience working in a Nuclear Power Plant. He gave a talk on "Basic Hydraulics and its applications", which gave food for thought to the students.



### 6. Valedictory Session for Student Council Members & Club Conveners (Served for the academic Year 2020-21)

Marking the end of the tenure of the students' team consisting of Council members and club conveners who took charge the previous year and have contributed to successfully organising and coordinating various activities. A Valedictory session presided over by the honourable Vice-chancellor Sir was held on 25-07-21. In this brief session, students were felicitated with certificates as a mark of thanks for their outstanding work while balancing their academics.



### 7. Special Mentoring Sessions for students: By Ayushi Sharma - Student Counselor - SRM AP

The dream to acquire a job is for everyone, but along this lane, we need a mentor or a mentor-like person who will always believe in us. To help the students of SRM AP in this regard, under the supervision of our student counsellor Ayushi Sharma "Special Mentoring session for students" was held on the 25th of July. Where students were guided on various aspects of jobs and mentoring. It was a session with many valuable lessons to take away.

### 8. Put the banners for the promotion of free vaccination for those above 18 years of age

In the wake of this COVID-19 pandemic, the Indian government has started a vaccination program built on WHO guidelines and global best practices. To propagate the Indian government's drive for free vaccination for citizens aged 18 years and above, SRM *AP* has taken the initiative to put up banners on the 29th of July 2021 to build awareness on this matter.









August 2021

#### 1. Session on sharing SOP protocol with the students:

The past two years, roughly, have been a process of learning and adapting to the global pandemic that is raging around. The COVID-19 pandemic demands that we remain vigilant in our daily lives as we return to everyday activities. There are some simple steps that we can take to avoid and protect ourselves from this deadly virus. The student affairs department of SRM *AP* on 1st August 2021 conducted a session to educate the students on the Standard Operating **P**rocedures (SOP) protocol. The session explained the process and methods of SOP that need to be implemented to prevent and control the spread of the virus.

# 2. Student Council Inauguration & Investiture Ceremony of Student Clubs: By Department of Student Affairs

Leadership is the capacity to translate vision into reality. Fostering the culture of leadership and upholding responsibility, SRM *AP* has a student council and various student-run clubs. On 7th August 2021 at 6:45 PM the student affairs department inaugurated a fresh batch of students to upkeep the spirit of leadership and organization. The event was presided over by the honorable VC sir and Pro-VC sir, who delivered the keynote to the students. Following this the members of the council and club executives took an oath to uphold their posts with utmost sincerity and integrity.



### 3. Coordinated with the students to contribute their individual rendering of the National Anthem of India at rastragan.in.

As the celebration of the 75th Independence day commenced, the Indian government appealed for citizens to individually render the national anthem with the call, "As the nation celebrates Azadi ka Amrit Mahotsav, Let us sing the national anthem."To play our part in the event, the SRM AP student affairs department sent out a mail on12th August 2021 and ushered students to participate in this experience. A compilation of the uploaded videos of the national anthem was shown live on 15th August 2021.

### 4. Organising Fit India Run 2.0

FIT INDIA Movement was launched on 29th August 2019 by the Honourable Prime Minister with a view to making fitness an integral part of our daily lives. To celebrate the 75 years of India's independence, "Azadi ka Amrit Mahotsav", the <u>Fit India Mission</u> has conceptualised Fit India Freedom Run 2.0. To commemorate the occasion, SRM University-*AP* symbolically joined the nationwide virtual marathon on **August 13, 2021**, at **4.00 pm**.



Friday, August 13, 2021



### 5. Quiz competition on eve of Independence Day:

Due to the COVID-19 pandemic, there were no festivities, celebrations or social activities being held on the eve of Independence Day. To uphold the spirit of patriotism, the Department of Students' Affairs conducted a quick and entertaining Quiz competition for the students of SRM *AP* on August 14, 2021, at 7.00 pm to see how well they know India! The Quiz aimed to foster in students the spirit of the country as we enter into the Diamond Jubilee of India's Independence.



#### 6. Independence Day Celebrations at SRM AP:

India's freedom warriors fought a long and arduous battle to bring India to the wake of freedom. In the midst of COVID-19 and with everything moving online, India was preparing to celebrate its 75th Independence anniversary on 15th August 2021 under the theme "Azadi ka Amrit Mahotsav" and "Nation's First, Always First." SRM *AP* participated in the virtual celebration of freedom through zoom at 9:00 AM.

The event started with the hoisting of the National flag, followed by the National anthem, which ignited patriotic fervour. The sermon addressing Independence was given by the Vice-chancellor, Prof Vajja Sambasiva Rao. The event progressed on to delightful performances by the university's student-led groups and clubs and concluded on a good note.











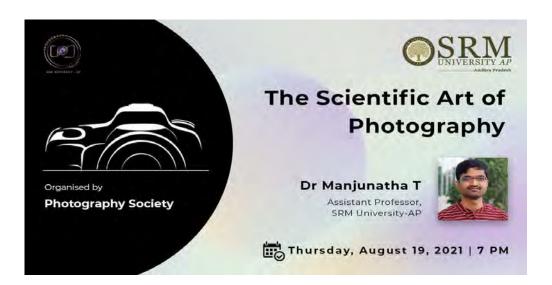
### 7. Photography Competition on eve of Independence Day:

A single photo enumerates a million colours and feelings. To commemorate the beauty of Independence through the lens and colours, the photography club of SRM University-*AP* organised a photography competition for the students on the subject "Azadi ka Amrit Mahotsav" on 15th August 2021. The students who participated in this event sent in their eye-pleasing artworks portraying their idea of India and Independence.

### 8. "The Scientific Art of Photography"

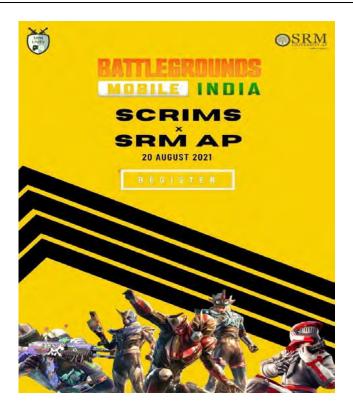
World Photography Day is an annual global celebration of photography's art, craft, science, and history. The Photography Society at SRM University-*AP* organised a session titled The Scientific Art of Photography on August 19, 2021, at 7.00 pm to raise awareness, share ideas, and encourage people who work in the field of photography. Dr Manjunatha Thondamal, Assistant Professor in the Department of Biological Sciences, was the chief guest at the event.

The Photography Society, a student-led initiative of SRM University-*AP*, is one of the active and vibrant clubs wherein students are trained to see and create meaning in what they are able to perceive. The scientific art of capturing fleeting moments was elaborated on by Dr Manjunatha during the session.



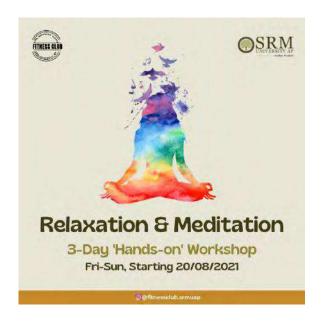
### 9. Friendly BGMI tournament: By E-Sports Club SRM AP

As many were waiting for it, finally, BGMI was officially released for all platforms. Hence on the 20th of August 2021, a friendly BGMI tournament was conducted for all SRM *AP* students by the E-Sports club. Where all the BGMI players and enthusiasts came together to have a healthy competition filled with lots of fun.



### 10. Sessions of "Relaxation and Meditation" By Fitness Club

Relaxation and Meditation help one to relieve stress as well as helps to gain concentration and focus, which is why it is important for a student to have minimum awareness about these. The Fitness Club of SRM University-*AP* conducted three days of hands-on workshops for "Relaxation and Meditation "from 20th August 2021 to 22nd August 2021. The sessions went on from 6:30 pm to 7:30 pm, where a set of simple practices that can be done, every day were introduced to the students.



### 11. Founder's Day Celebrations: (Distribution of Masks & Sanitisers to Street Vendors)

On the occasion of Founder's Day, which was celebrated on 24th August 2021, the NSS Cell at SRM University-*AP* distributed masks and sanitisers to street vendors in Guntur and Vijayawada. As wearing masks and using sanitisers is very important during this corona pandemic situation, this was a great initiative taken by the NSS Cell of our university.













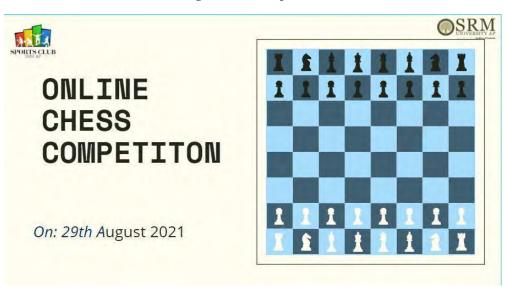
### 12. Session on Basic of Design: By Mr Vignesh Rallapalli

On 28th August 2021, a session on the basics of the design was held. It was organised by AAD Club, which is a student-run club at SRM *AP*. Mr Vignesh Reddipalli, who is an Engineering Graduate with a passion for Digital design and over 9 years of experience as a Freelance Visualizer, was the chief guest of the event. He also worked as a Visual Designer in a brand and Advertising Start-up, currently works at Kumaraguru Institutions and specialises in Identity creation and UI/UX for web applications and mobile apps. Mr Vignesh spoke about the designs and briefed him about their basics.



### 13. Online Chess Competition: By E-Sports Club SRM AP

On the occasion of National Sports Day, which was celebrated on the birth anniversary of hockey player Major Dhyan Chand, the Sports Club at SRM university-*AP* planned and held their first Virtual Competition for this academic year. An online chess competition was conducted on the 29th of August 2021 as a part of the event.



#### 14. Webinar (On the occasion of National Sports Day): By Kalyankrishna - Cricketer

Sports are a crucial part of a student's holistic growth and development. On the occasion of National Sports Day, commemorated on the 29th of August, the Department of Student Affairs has organised a webinar on "The Importance of Games and Sports in a Student's life". Celebrated IPL and Ranji Trophy player, Mr Kalyana Krishna Doddapaneni, delivered a special and inspiring talk at this event on August 29, 2021, at 05.00 pm. A mass of students took part in this event and was motivated by his speech.



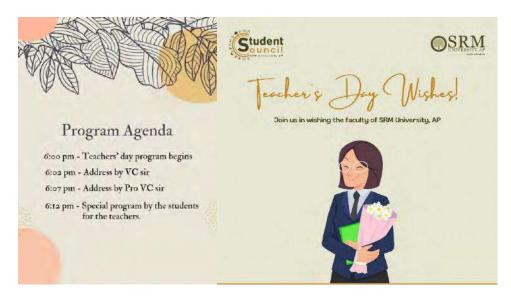
September 2021

#### 1. Felicitation of ZP High School Teachers in Nidamarru: On the occasion of Teacher's Day

Every year Teacher's Day is celebrated on 5th September in memory of Dr. Sarvepalli Radhakrishnan on his birthday to appreciate and celebrate every teacher for their contribution and to express gratitude. Teachers play an important role in every person's life. Hence on 5th September 2021, the student council of SRM University-*AP* felicitated the teachers of ZP High School in Nidamarru.

### 2. Wishing the faculties of SRM AP: On the occasion of Teachers Day by Student Council

Teachers play the most important role in one's life, and there is no better day to express your love and gratitude towards them than Teacher's Day. Hence to celebrate Teacher's Day, the Student Council of SRM University-*AP* organized an online event to wish the faculty at our University. Students sent messages, notes, videos and songs expressing their gratefulness towards the faculty. Fun activities were also arranged for the faculty so that they take a breather from their heavy schedules and enjoy themselves.



### 3. "My Friend Ganesha- Best Out of Waste" competition: on the occasion of Ganesh Chaturthi by Creative Arts Club

Every year Ganesh Chaturthi is celebrated on the occasion of Lord Ganesha's birth. People make mandaps and bring Lord Ganesha home in the form of idols made of POP or clay or leaves or various different things. Hence this year on the occasion of Ganesh Chaturthi, the Creative Arts Club at SRM University-*AP* organised a competition "My Friend Ganesha Best Out Of Waste", where students are welcomed to creatively make an idol of Lord Ganesha using different eco-friendly materials, especially that seem to be useless or waste as the title suggests.

### 4. Interactive Session with Mr Dasari Rama Krishna (Managing Director - Efftronics Systems Pvt Ltd): on the occasion of Engineers Day

We all know that in India, National Engineers' Day is celebrated on September 15. To motivate the budding engineers of SRM *AP* on this occasion, SRM *AP* conducted an inspiring talk by Mr Dasari Ramakrishna, the Managing Director of Efftronics Systems Pvt. Ltd. Mr Ramakrishna gave an informative talk on "Algorithms will Drive Success in Digital Era" that enlightened the audience the importance of algorithms in solving the real-world challenges.



### 5. Online Yoga Sessions every alternative day: (Mon, Wed & Fri) Morning 7 AM to 7:30 AM by Ms Varsha (The Yoga Trainer)

Yoga is very helpful in maintaining both physical and mental health. In this pandemic, we all are obliged to work from home, which reduces activity and increases stress. To refresh the students and the faculty, SRM *AP* organised a series of Online yoga sessions by a Yoga trainer, Ms Varsha. These were carried out on alternate days from 7 AM to 7:30 AM. Students participated actively in these sessions to improve their well-being.

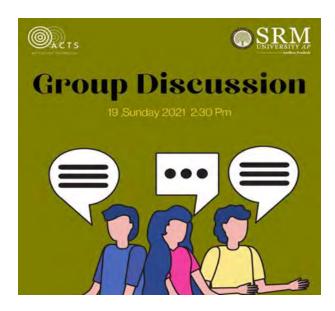
### 6. The Newsmakers by Pavan Mohan, ECE student, on winning 25000/-in TATA InnoVerse Solver hunt 10:

A Newsmakers session was conducted on September 16th, 2021, to inspire the students of SRM University-*AP* with another motivating story from Pavan Mohan. He is an undergraduate student from the Electronics and Communication Engineering Department who has received a monetary award of Rs.25000/- for winning TATA InnoVerse SolverHunt 10. This is a program that brings together young minds to solve real-world problems, where Pavan won by proposing a technique for quantifying metal surface gloss using image processing and machine learning. Through this session, he shared his experiences which inspired the students and other listeners.



### 7. Group Discussion Competition: By ACTS Club - SRM AP

Group discussions are one of the means of improving our thinking, listening, and speaking skills. These not only help during interviews but also help in promoting confidence. A group discussion competition was conducted on September 19, 2021, at 2:30 p.m. by the ACTS club of SRM *AP* when a good count of participants took part, with Shivam Agarwal, 1st-year CSE-H and Gayatripriya Jonnala, 2nd-year B.Sc Economics being the winners.



### 8. Poster Design Competition: By Fitness Club - SRM AP

We all love to live a peaceful life. But the meaning of "Peace" varies from person to person. On the occasion of International Peace Day, celebrated on September 21, the Fitness club of SRM *AP* conducted a Poster making competition with the theme "**What does peace mean to you?**". This competition received a wide range of designs of which the ones of Pratibha Maurya from BBA, and Chavan Vaishnavi from CSE-R are given the prizes.



### 9. Essay Writing Competition: By Heartfulness Institute

Celebrating the 40th UN International Day of Peace, an Essay Writing Competition was conducted on September 21, 2021, in SRM AP by Heartfulness Institute. This institution promotes "Inner Peace for World Peace" and has been championing for decades by cultivating Peace. On this occasion this year, the institute collaborated with leading

educational institutions, including SRM *AP* and civil societies. And Heartfulness Global Essay Writing Event has been organised, supported by UNESCO MGIEP and UNIC, themed on "Acts of Kindness". Many students showed interest and wrote amazing writeups.

### 10. Talk on world peace followed by live guided meditation and relaxation: On the occasion of International Peace Day by Heartfulness Institute

International Day of Peace, celebrated on 21 September, is the day devoted to reminding people to think about universal peace. On this occasion, the fitness club of SRM *AP* organised a talk on world peace for the students. Ms Harshada Manish Kulkarni, Visiting Faculty SRM *AP*, and a Heartfulness Trainer joined the session to give the speech, which was followed by guided meditation and relaxation. This pleasant event motivated the students to promote peace and live in harmony.



#### 11. Interaction with International students with Associate Director - International Relations

SRM University-*AP* encourages students to achieve their dream of higher studies abroad. With this motive, an interactive session was conducted on 21st September 2021 with the international students and the Associate Director of International Relations. In this talk, the students who got seats in International Universities shared their experiences, and juniors got a chance to ask their queries.

### 12. Two days' workshop on Self Improvement and Stress Assessment: by Ms Sayeda Afreen & Dr Asha Sarma - Assistant. Professors in Assam Downtown University

Due to the pandemic, almost everything is conducted online. This not only increased the laptop screen time but also stress. To benefit the students of SRM *AP*, a two days' workshop on September 24 and 25, 2021, themed **Self Improvement and Stress Assessment.** The workshop was hosted by Ms Sayeda Afreen & Dr Asha Sarma, Assistant. Professors at Assam Downtown University guided the students to understand themselves better and thus the causes of their "Stress". This further helped them work towards managing it.



### 13. Orientation Program 2

Welcoming all the first-year students to SRM *AP*, an Orientation Program scheduled from 23rd September 2021 to 1st August 2021. These sessions were conducted to introduce the students to the culture and the curriculum of SRM AP. Inclusive of motivational talks by inspiring personalities, informative speeches by SRM faculty members, and fun activities, this series conducted for more than a week, received mass participation from the students. And hence saw with great success in inviting all the freshers into the SRM family.

#### October 2021

# 1. The Newsmakers: Chirag Menon and Raviteja Reddy Mechanical students who got placed in Ather Energy

Two brilliant students were featured in "The Newsmakers" on 01 October 2021, at 06.45 pm. Chirag Vinod Kumar Menon and Mudireddy Raviteja Reddy from Mechanical Department got placed in Ather Energy with a CTC of 10 LPA. This session of Newsmakers provided a broader spectrum of the expectations and the pedagogy required to bridge the gap between academia and the industry in various aspects.



### 2. Floral Tribute to Mahatma Gandhi on the occasion of Gandhi Jayanthi

Mahatma Gandhi, who was instrumental in India's independence, is remembered for his truth ideals and non-violence. On October 2, 2021, SRM AP paid floral tribute to Mahatma Gandhi, commemorating his 152nd birth anniversary, at the campus. Vice-Chancellor, Prof V S Rao; Pro-Vice-Chancellor, Prof D Narayana Rao; Director- Campus Life Management, Wg Cmdr Venkataachalam Sekkappan; and Assistant Director- Student Affairs, Ms. Revathi Balakrishnan talked about the venerable life of Mahatma that inspired civil rights movements across the world.









### 3. ADD Club Design Workshop: By App Design and Develop Club SRM AP

ADD club has conducted an event on design thinking on October 2, 2021. Design thinking is a means of addressing challenges using user-centered innovation approaches. The event is taken forward by Mr. Praveen Kumar founder of Moving.so. It was a fantastic initiative by the ADD club and many students made Figma accounts as advised in session and found it useful and interesting.



### 4. Inaugurating Idea Day

Inspired by the quote "Be the change you wish to see in the world" stated by Gandhi, an event "Idea Day" was inaugurated at SRM AP on Gandhi Jayanti celebrated on 2nd October. This event was conducted with a motive to encourage students to put forward their ideas that can change the lives of many. Students had a great time being a part of this inauguration, sharing their ideas, and listening to the ones of their peers.



#### 5. Club Recruitment 2021-22

One of the interesting aspects of college is clubs. SRM AP also has a multitude of clubs, run by students, with students sharing the same interests. Filled with various fun-filled activities and waiting for more in the future, all the clubs of SRM AP started welcoming the new members for the year 2021-22 on 3rd October. Many students participated in this recruitment process by choosing the clubs of their choice.



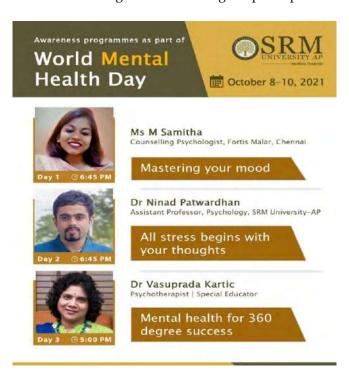
#### 6. Psychometric Test for 1st year B.Tech Students (Aptitude & English)

College allows building a personal profile. We all know at the end of the final year, all of us go either to choose a job or higher studies, where the candidates are evaluated on their cognitive skills. To help the students build these skills right from the start, a Psychometric test was conducted for the first-year students. This test assisted the students to evaluate themselves and also encouraged them to improve in the same.

### 7. Three days webinar series on the occasion of World Mental Health Day

Assistance for mental health was severely looked over during this pandemic period. To help students realize that mental health is second to none, as a part of observing World Mental Health Day, SRM AP has organized a three-day webinar series on the dates 8, 9, 10 October 2021, to raise awareness among students regarding preventable psychological conditions.

On the first day, the speaker, Ms. Samitha, Counselling Psychologist with Fortis Malar gave a talk on "Mastering your Mood". It was advanced by Dr. Ninad Patwardhan, Assistant Professor in the Department of Psychology at SRM AP, who spoke about "All stress begins with your thoughts". And on the third day, Psychotherapist and Special Educator Dr. Vasuprada Kartic enlightened on "Mental health for 360-degree success". This series of sessions could succeed in achieving its motive with good participation.



#### 8. Natyaswara, an Intercollegiate Dance and Singing Competition

India being a land with many festivals and cultures, Indians never lose a chance to celebrate the joy of music and dance. On the occasion of Navratri, to culminate the festive spirit, SRM *AP* has initiated an intercollegiate dance and singing competition, Natyaswara, on 15 October 2021. The intercollegiate competition was open for everyone looking to showcase their talent in the fields of dance, vocal, and instrumental. The event was met with immense enthusiasm consisting of many participants from various colleges competing for the 8250/- worth prizes at stake. For the second round of the competition, finalists' videos in the three categories were posted on the Student Council Instagram page (@srmuapstudentcouncil).



### 9. Recreate History - Write-up Competition by Creative Arts Club - SRM AP

On the note of "Azadi ka Amrit Mahotsav", the Creative Arts Club of SRM *AP* has come up with an exciting competition for students to showcase their knack for writing."Recreate History", the write-up competition, was an event where the participants were required to prepare a write-up of about 500 words under the theme "recreating historic movements". This competition was open to all the students of SRM *AP*, and a multitude of students took part to showcase their creativity.

### 10. Simple Techniques for Emotional Well-being by Dr Ravindra, Heartfulness Institute trainer

The emotional well-being of a student is as important as physical well-being. Hence on the 17th of October 2021, the Fitness Club at SRM AP organized a life talk by Dr. Ravindra, Heartfulness Institute Trainer; on the topic "Simple Techniques for Emotional Well-Being". Some techniques for emotional well-being that can be adhered to in day-to-day life were discussed and it was followed by a guided meditation.

#### 11. Three Days Yoga Sessions by Dr Venkat Nori

Yoga and meditation help us to relieve stress. To help the students to have a healthy and stress-free being, the Fitness Club at SRM AP organized a yoga session for three alternate days i.e on 19th, 21st, and 23rd of October 2021. On these days, the session was conducted from 07:00 am to 07:45 am, mentored by Dr. Venkat Nori sir. The students were taught some basic yoga and meditation techniques which can be practiced every day.

### 12. The Squad Game

On 23rd October 2021, the Business Voyage Club at SRM AP organized an exciting fun game named "The Squad Game" at 6 pm. Students were welcome to participate in the game and have fun. The game constituted two rounds and the participants who outperformed in the first round, which was a screening round, made it to the second round. The winners, Mohammed Shazin Abbas (AP21110011020) and Pooja Bhoomigha.S (AP2110010387) were rewarded with exciting prizes.



### 13. Invited talk (Webinar) on Plastics







Environment Advisor, Corpseed ITES Pvt. Ltd., Noida, Uttar Pradesh

# Plastics: Pollution to Solution!



Plastic pollution is one of the most serious threats to the health of the world's oceans. However, there are a variety of plastic pollution solutions that you may get involved in. As a part of the "Azadi ka Amrit Mahotsav" campaign, the Department of Students' Affairs organized an awareness program to avoid the threat of single-use plastics. Ms. Janaki Govani, Environment Advisor at Corpseed ITES Pvt. Ltd was the guest speaker of the event held on October 28, 2021, at 6.30 pm.

#### 14. eTournament

Nowadays, eSports are booming not only amongst youngsters but also in the industry. To encourage the students to showcase their talent in this domain and to build a competitive spirit, SRM AP has integrated an esports club. An eTournament was conducted by this club on the 30th and 31st October 2021. A huge crowd of students took part, solo and in a squad, with a lot of enthusiasm.



November 2021

### 1. Coordinated the RASHTRIYA EKTA DIWAS PLEDGE: Organised by Department of Posts



National Unity Day is also called Rashtriya Ekta Diwas which is celebrated on 31st October each year to commemorate the birth anniversary of the iron man of India, Sardar Vallabhbhai Patel. The postal department celebrated the Rashtriya Ekta Diwas in SRMAP on 1st November 2021. A total of 85 students of SRMAP took the pledge and the pledge was said by the Director of Student Affairs of SRMAP, Ms.Revathi ma'am with full enthusiasm, everyone pledged to foster and reinforce their dedication to preserve and strengthen unit, integrity, and security of our nation on the birth anniversary of Sardar Vallabhai Patel.

### 2. FIESTA: Quiz Competition: Organised by Quiz Club SRM AP

India is a country of festivals, and we celebrate the ones of each religion with equal zeal and vigour. The traditions we follow are diverse, and we all embrace them with unity. A quiz competition, named FIESTA, was held at SRM AP by the Quiz club on the 5th of November at 7 pm. Comprising of interesting questions related to various celebrations, cultures, and customs, this quiz not only made the participants compete but also indulged them in improving their knowledge.



### 3. Children's Day Celebrations at Navuluru & Neerukonda Govt. Schools



Every year on November 14, India celebrates Children's Day, the birth anniversary of Pandit Jawaharlal Nehru, India's first Prime Minister. The celebrations were held at Neerukonda and Nauluru government schools on the 12th and 15th November 2021 under the auspices of the Student Affairs department at SRM University-*AP*. The program entitled "SRM *AP* Sunshine", organised various games and competitions for students from classes one to ten and distributed prizes to winners. The essay writing, drawing, running, skipping, and musical chair competitions focused on children and their enjoyment contributing to their cognitive development. Students of SRM *AP* mingled with the children involving them in various games. The tiny tots of Preschool and Pre-primary celebrated the day with much joy and enthusiasm. Children were given chocolates and gifts like crayons, pencils, etc. as a token of appreciation. The event was attended by Ms Revathi Balakrishnan, Assistant Director – Student Affairs; Dr. Abdul Mohimin, Assistant Director – Physical Education and Mr. Narendra Babu, Manager – Student Affairs.

### Navuluru High School:







### Navuluru Primary School:













## Neerukonda Primary School - 1





Neerukonda Primary School - 2







# 4. Interactive Session Test Anxiety and Learning Styles: By Aayushi Sharma - Student Counsellor SRM AP

The approach of examinations signals the onset of fear in a student's mind. The cool season could get a little sweaty unless we learn to curb our stress and anxiety. Instead of looking at examinations with a pessimistic outlook, we can see them as an opportunity to self-assess and use them as tools to help us as career guides. On November 20, 2021, the department of student affairs hosted a virtual discussion with Ms Aayushi Sharma on "Test Anxiety and Learning Styles" to lift students to overcome their flaws and recognise strengths.



# 5. Interactive Session on Test Anxiety and Learning Styles: By Aayushi Sharma - Student Counsellor SRM AP

Shivering with the change of weather is welcome. Trembling with nerves is not.

On November 27, 2021, at 6.00 pm Ms Aayushi Sharma, Student Counsellor, coordinated a session on test anxiety which was greatly useful and helpful to the students and aided them in understanding how to use the benefits of tests to combat test anxiety. It aimed to find gaps in our knowledge, for devising methods that work the best for us.



December 2021

## 1. 1st Convocation SRM University - AP

Empowerment comes through education. It is the never-ending process of learning and putting what we've learned into practice that makes the world a better place for all of us.

SRM *AP* has always strived to impart the highest level of knowledge to its students by providing them with supreme provisions and constant support.

On December 1, 2021, it was a momentous occasion as we all came together to celebrate the 1st Convocation of SRM University-AP and witnessed the pupils spreading their wings for the last time on our very own grounds as they made their way into a world of opportunities. The event was presided over by many honourable guests who gave the students invaluable advice.











## 2. Orientation for Government Quota Students:

The orientation program for the upcoming batch of 2022 was held on the campus for the students who wanted to join the university through the government quota. It was held from the 9th of December to the 11th of December,2021. Students along with their parents who attended the orientation received an overview of the university. Also, the orientation helped them get acquainted with college life. Wishing all the students their bright college life at SRM AP.

## 3. Celebrating the Rivers of India

The Ministry of Jal Shakti, Government of India, organizes numerous Programmes under the theme "Celebrating the Rivers of India" as part of Azadi ka Amrit Mahotsav. The Department of Student Affairs hosted a Yoga and Meditation Session on December 22nd, 2021. Students, faculty, and other staff members of SRM AP spent a memorable evening on the banks of River Krishna as a part of Celebrating the Rivers of India event at Manthena Satyanarayana Arogyalayam, Thullur, Vijayawada. The practitioners at the Arogyalayam were honored with stoles and mementoes as tokens of appreciation. "The waterfront and the refreshing greenery of nature heal our mind and soul in this stressful modern-day life", said Prof V S Rao, Vice-chancellor, SRM AP. The event, organized to celebrate the Rivers of India, allowed the participants to unwind and enjoy the lush bushes growing all around.





## 3. Conducting games for the students & Staff on the eve of New Year 2022

A new year brings us hope and excitement for fresh experiences. To bid farewell to 2021 and welcome another year, games were conducted at SRM AP on the eve of New Year 2022. Various indoor and outdoor games were organized, which included cricket, table tennis, tug of war, lemon and spoon race, etc. All the faculty members and students participated actively and got themselves refreshed. It was a memorable evening for all that was filled with celebrations and joy!







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January 2022

#### 1. Para for an Era - Write-Up competition: By Creative Arts club SRM AP

Date: 01-01-2022

To start the year with great pleasure and excitement, our Creative Arts club conducted an event called "para for an era" on January 1st,2022. In this competition, the participants were asked to write resolutions for the new year which bring welfare to society. It was an initiative to encourage the students to knot their goals and to contribute towards society. And a multitude of people participated enthusiastically and shared their resolutions for the coming year.

### 2. New Year Celebrations: Games for students & Staff, Cake cutting & Prize Distribution

On the eve of the new year, SRM University-*AP* students, teachers, and administrative staff members celebrated the new year with colourful activities on campus on Saturday morning, which was presided over by the key administrative figures of the university. Prof V S Rao, Vice-Chancellor, cut the New Year's Special Cake and addressed the audience. "We shall enter the new year with the hope that the pandemic will be endemic in 2022", he said. Followed by the Registrar, who wished for the University to reach new heights and glory under the supervision of Prof B V Babu, Dean of the School of Engineering and Sciences. Numerous gaming activities and events were held adhering to the COVID-19 protocols, thus embodying the spirit of the New year. The winners of numerous competitions also received prizes.













## 3. Session on "Master Your Emotions": By Liza Hazarika - Student Counsellor - SRM AP

Date: 08-01-2022

Emotions are a crucial part of our lives, it's what makes us human beings. But sometimes emotions control us and influence us in bad ways. Our emotions should not affect our productivity as we cannot abandon our errands and important tasks at times. Being able to control our emotions in order not to disturb our efficiency and productivity is very important. Hence on January 8, 2022, the Student Affairs department at SRM *AP* organised a session from 5 pm to 6 pm IST; regarding how to master your emotions with Ms Liza Hazarika, Student Counsellor - SRM University-*AP*. In this session on "Master Your Emotions", the attendees could learn to keep themselves centred at all times and master their emotions for well-being.

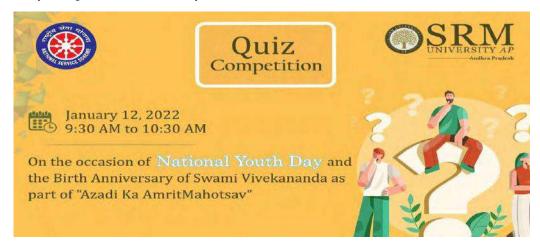


# 4. Quiz Competition: On the occasion of National Youth Day and the Birth Anniversary of Swami Vivekananda (as part of Azadi Ka Amrit Mahotsav)

Date: 12-01-2022

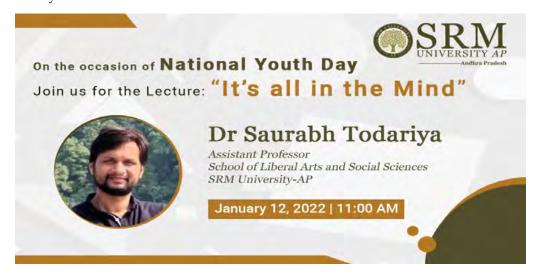
January 12th marks National Youth day, which also happens to be the birth anniversary of Swami Vivekananda. On this occasion, the Department of Student Affairs conducted an exciting and healthy quiz competition at 9:30 am as a part of the Azadi ka Amrit Mahotsav, an initiative by the National Service Scheme. The event was hosted by Ms Revathi Balakrishnan, the

Assistant Director of Student Affairs, along with the two student coordinators Ms Anisha Yadlapalli and Ms. Narra Pavani. They filled up the virtual space with lots of energy, with over 100 students participating in the quiz competition leading to an exciting chase for the top place. It illuminated many aspects of Swami Vivekananda's life, and it also brought to attention the current youth power of our country.



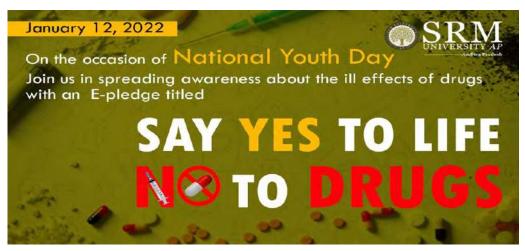
**5. Talk on "It's All in the Mind":** on the occasion of National Youth Day by Dr.Sourabh Todariya - Asst.Professor (SLASS)

The Vedanta teaches humans to trust in themselves in order to achieve divinity. Its central message, in the words of Swami Vivekananda, is that "every soul has the capacity to be divine." On **January 12, 2022**, at **11.00 am**, The Department of Student Affairs at SRM *AP* hosted a discussion in honour of National Youth Day. National Youth Day commemorates Swami Vivekananda's birth anniversary and celebrates the country's youth. Vivekananda was always a motivator of the youth for the development of the nation and an avid preacher and follower of Vedanta. In the talk, Dr Saurabh Todariya, Assistant Professor at the School of Liberal Arts and Social Sciences, discussed the practical elements of Vedanta and its relevance in today's society.



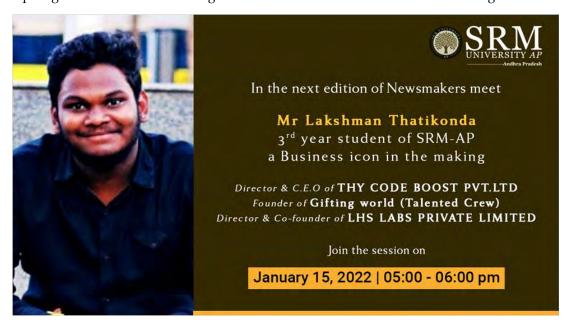
#### 6. E-Pledge - Say Yes to Life, No to Drugs on the occasion of National Youth Day:

Celebrated on the 12th of January, National Youth Day commemorates the birth anniversary of Swami Vivekananda and highlights the youth of the country. Vivekananda always motivated the youth and spoke about their right use for the country's development. On this occasion, the Department of Student Affairs at SRM *AP* stepped forward to generate awareness and take an oath to "Say Yes to Life, No to Drugs". Intending to create a better tomorrow for our future leaders, a pledge was taken by the SRM *AP* Family to keep the youth abstaining from drugs.



**7. The Newsmakers** - An interactive session with Mr Lakshman Thatikonda 3rd year BBA Student of SRM AP, a Business ICON in the making

A newsmaker session was held on January 15, 2022, to felicitate Mr Lakshman Thatikonda, 3rd year BBA Student of SRM *AP*. Mr Lakshman has started his business venture, TalentCrew, which was incubated at the Hatchlab Research Centre (The technology and livelihood business incubator of SRM University-AP). In addition to this, he is also a director and CEO of THY CODE BOOST PVT.LTD and director, Co-founder of LHS LABS PVT.LTD. The word from this inspiring Business ICON in making motivated the audience to set and reach their goals.



**8. The session on Self Love & Self-Acceptance:** By Sridevi Srinath - Student Counsellor - SRM *AP* 

The major principle in everyone's life is to search for good things in even weaknesses and turn them into strengths according to situations. Peace and Happiness can be won by us only when we accept and appreciate ourselves. We are born to be real, not to be perfect. Going along these lines, The Department of Student Affairs at SRM *AP* organised a session "Self-Love & Self-Acceptance" on January 19th,2022, at 4 PM. It was an interactive session hosted by Ms Sridevi Srinath, the Student Counsellor, to inculcate in students the importance of valuing themselves.



**9. The session on Counselling VS Psychiatry:** By Liza Hazarika - Student Counsellor - SRM *AP* 

The terms "Psychiatry" and "Counselling" are unrelated. It is a common confusion among common people who aren't familiar with these. To interpret these terms, the Department of Student Affairs organised a session with the student counsellor of SRM *AP*, Ms Liza Hazarika, to talk through. The event, conducted on January 21, 2022, at 4.00 pm, was hosted by Ms Revati Balakrishnan, the Assistant Director of Student Affairs. The session helped us understand the role of a counsellor in our well-being and gave us an analysis of the difference. It was a very interactive and informative session.



**10. The Newsmakers** - An interactive session with Ms Mallarapu Tanoogna, 3rd year civil engineering student win 3 gold medals in National Archery Championship – 2021

"All our dreams can come true if we have the courage to pursue them." This quote aptly represents Ms Mallarapu Tanoogna, a third-year Civil Engineering student at SRM AP, who excelled at the National Indoor Archery Championship 2021, winning three gold medals and placing 8th in the National Open Ranking representing Andhra Pradesh. On January 22, 2022, the Department of Student Affairs hosted The Newsmaker session with Ms Tanoogna, in which she shared that she has been training to participate in indoor and outdoor archery championships for a year. And she won gold medals in the Senior Recurve women's individual, women team, and mixed team categories and is currently ranked 8th in the national archery rankings. This inspiring session emphasized and reminded the audience of the importance of sportsmanship.



### 11. Republic Day Celebrations:

SRM University-*AP* celebrated the 73rd Republic Day Celebrations on January 26, 2022, at 9.00 am. All of the faculty and students virtually gathered to honour our constitution and culture. Commenced with the flag unfurling, the event was followed by the National Anthem. To emphasise good health, Dr Venkat Nori provided a note on the importance of Yoga and then guided everyone through the various steps of Surya Namaskar. It also included other cultural activities like songs and dance performances that added a lightness to the occasion. In addition, it comprised a student-organized State Tableau celebrating our diversity in an incredible show of solidarity and togetherness. It concluded with a short movie, 'Freedom' by Movie Club, that was remarkable in its execution and creativity. The event as a whole contains a mix of touching and inspiring moments with active participation from both students and faculty members!



February 2022

### 1. Workshop on In and Out of Depression: Sridevi Srinath - Student Counsellor - SRM AP

Statistics suggest that one in seven students around the age of 15-24 are reported feeling depressed. Depression is one of the most gripping issues. It is overwhelming but not unbeatable. In this spirit, the Student Affairs department of SRM-AP organised a "Workshop on In and Out of Depression" in collaboration with student counselling on the 4th and 5th of February. The session was led by Ms Sridevi Srinath, who gave insightful information on knowledge of mental health and how to take care of the mind just as we take care of our bodies to promote better overall well-being.



#### 2. Topic: Guitar and Electronic Keyboard Classes

Everyone loves listening to music, and many are interested in learning instruments. But it's tough to make room for hobbies in our busy schedules. Keeping this in mind, the Department of Student Affairs arranged guitar and electronic keyboard classes for the students of SRM University, AP. They were conducted every week on Tuesday and Thursday, Wednesday and Friday, respectively, in 4 occurrences at 7 PM. And with interest from the students' side, it saw good participation.

## 3. Introduction to the cubing club:

Clubs are great centres for catalysing creativity. With various clubs that help boost the creativity of students, SRM-AP has welcomed yet another club into the line-up that will aid the students in increasing their memory and problem-solving skills. On 11th February, the inauguration of the *cubing club* was held through zoom at 7:00 PM, which attracted a lot of inquisitive minds and kick-started the journey of the club to leave no cube unsolved.



## 4. BGMI and Valorant scrim by eSports Club SRM AP

Date: 12th & 13th Feb 2022

Nowadays, a lot of youngsters are showing interest in eSports, especially due to the pandemic. It not only increases competitive spirit but also depicts the development of technology. To bring students of similar minds together, the eSports club supervised BGMI and Volorant scrim. The students of SRM *AP* participated with great enthusiasm and played very combatively.





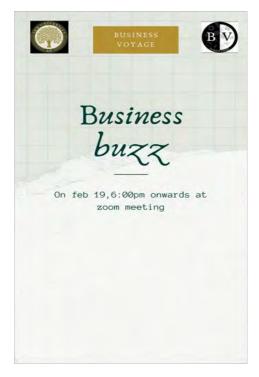
#### 5. The Newsmakers: An interactive session with Sai Prasad Koneru

On the 19th of February 2022, the Department of Student Affairs had an interactive session with Sai Prasad Koneru - a sports achiever from our university, for The Newsmakers. In this session, Sai Prasad spoke about his winning the "Super Randonneur" title in a cycling event conducted by Audax Club India. He also spoke about his experience through this journey to success, along with how he managed both academics and sports in a balanced manner. Our SRM University-*AP* is proud to showcase Koneru's determination skills that are essential for success in life.



## 6. Business Buzz competition by Business Voyage

Celebrating its first anniversary, Business Voyage conducted an Instagram contest, "Business Buzz". On the lines of the name, it asked the participants to pick a start-up of their choice and create content, reels, memes, posters, videos, etc., for Instagram on "Why do they think the startup is worth investing in?" It included initial screening followed by the judgment based on the number of views and likes on your respective post. With the immense popularity of Instagram, people participated with enthusiasm, creating posts and supporting their peers.



#### 7. Session on Dark Side of Positive Vibe by Liza Hazarika - Student Counsellor

They say always be positive, but do we ever pause and think if positivity also has a dark side? Yes, being positive is good but being too optimistic is also toxic sometimes. To discuss the dark side of the positive vibe, the Student Counsellor at SRM *AP*, Ms Liza Hazarika organised an informative session about it on February 19, 2022. In the session, she enlightened the audience about different sides of positivity and how it is important to look at the brighter side of things but also not to ignore the inevitable impulses that shape one's mind. The session ended with her explaining how feeling every emotion is also essential, not just being positive all the time.



#### 8. The SuperFan Event (Competition)

Date: 19th & 20th Feb 2002

SRM *AP* students conducted The SuperFan Event, which was organised on 19th & 20th Feb 2022 in 2 rounds. Many students participated in this event and utilised the great opportunity to express their favourite superheroes and answer the questions which were asked according to their individual favourites. A soft copy of the high-rated comic series of their favourite hero/villain is awarded as a prize to the best performers in the event.

#### 9. Talk by Mr M.Nageswara Rao - Chief Editor, Eenadu (Celebration of Matribhasha Diwas)

Mother tongue is our association with fond memories and a defining factor in our lives. It keeps us connected with our roots. It is the first language that a person learns. Mother tongue is adopted not only to communicate but also to maintain culture to a great extent. This year, the Department of Student Affairs has invited Mr M Nageswara Rao, Chief Editor of Eenadu, to address the students on International Matribhasha Diwas. Students enjoyed the program and gained more traditional language information.



10. Webinar by Dr Supriya Daniel - Asst.Professor, Dept of English, followed by Quiz Competition:

Linguistic and cultural heritage plays an important role in how you describe the world around you. You may learn hundreds of languages and experience myriads of cultures, yet the influence of every homeland and mother language will be felt throughout each part of everyone's life. Matribhasha Diwas, widely known as International Mother Language Day, was celebrated on February 21 to promote awareness of linguistic and cultural diversity across the globe. The Department of Student Affairs SRM *AP* organised a webinar and quiz competition on 'Linguistic Diversity and Diverse Culture' with Dr Supriya Daniel, Assistant Professor. That was a fantastic experience for students, who learnt more about the importance of their language. The program included songs performed by the Music Club in multiple languages to exemplify the beauty of one's mother tongue.



11. Webinar on "Coping with Social Anxiety" by Ms Sridevi Srinath – Student Counsellor:

Date: 26-02-2022

The fear of being watched and judged by others is something that many students are struggling with. This is very common, but not everyone knows what it is. It's called Social Anxiety. Feeling out of sorts in a gathering is not unusual, especially when all attention turns to you. Coping with social anxiety is a necessary step to being present in the moment and turning an adverse situation in your favour. The Department of Student Affairs is bringing forth an informative and interactive session on Coping with Social Anxiety by Ms Sridevi Srinath to help the students understand their emotions and deal with social situations smartly and effectively. It was a very effective session, and the students enjoyed it.



March 2022

## 1. International Women's Day Celebrations:

On March 8, 2022, SRM *AP* buzzed with joy and enthusiasm, celebrating the achievements of women and the beauty of womanhood for another year on the occasion of International Women's Day. The event began from 10 am onwards at APJ Abdul Kalam Auditorium on the campus, and the theme "Gender Equality today for a Sustainable Tomorrow" has been selected for Women's Day this year. The faculty, staff and students at our university take pride in working in an environment where women are respected and heard. Various games, competitions and cultural programs were held on this occasion, along with the felicitation of women faculty. The Uttam Pratibha Mahila Awards were given away by our honourable Vice-Chancellor, Prof.V.S.Rao. SRM *AP* was delighted to have Smt.K.G.V.Saritha, Superintendent of Police, Women Protection Cell, CID-AP as the eminent guest of the event who encouraged women in every field to reach new heights and also spoke about gender equality, preaching about breaking the bias. The event ended on a good note after amazing performances dedicated to women by the students of Dance Club SRM *AP*, with the taking of a group portrait.

## International Women's Day-2022





Smt. KGV. Saritha

Superintendent of Police Women Protection Cell CID-AP

March 8, 2022 | 10:00 am

Venue: APJ Abdul Kalam Auditorium

https://bit.ly/SRMAP-IWD2022





















## 2. Online Open Mic Session (Competition) organised by ACTS Club SRM AP

We all, at some point in life, get to phase situations where we have to present our thoughts or skills in front of people. And many of us step back in such situations and get tense. To build up inner confidence, bring out creativity, and let students build their audience, the ACTS Club of SRM *AP* conducted an online open mic competition on 12th March 2022. Being the last session before the college reopened after around two years, it saw active participation from both the audience and competitors.



## 3. Appathon 1.0 (Competition) conducted by App Development Club SRM AP:

The clubs of SRM *AP* never fail to entertain and create opportunities to showcase every talent. One such event was conducted by the APP Development Club on 12th March 2022. The competition was on "Designing and Developing" with a theme on 'open innovation. Participants were asked to make teams of 2-4 each. A total of 21 teams took part and presented unique app ideas with amazing design, development, and presentation skills. The winners of the competition are:

Best App - AppSquad - Achyut Katiyar, Mihir Krishna, D.Chandra Sai Reddy, Pavan Pasam

Runner up - GreenCoderz - Shaik Riyazuddin, Kaushik Aadhithya Chiratanagandla, Nikhita Chava, Jayesh Jethy

Best Design - Ritorno - Satya sai Lokesh, Sai Koushik, Abhi Parimsetty, Amit All the participants received a certificate for their participation.



## 4. Holi Celebration at SRM AP (for Hostel Students)

Colours are nature's smiles. It is the only thing that gives life to the spectrum. Everyone needs a little colour in their lives, and Holi is a day when people may express their happiness with colours. It is a beautiful, colourful festival that fosters joy and enjoyment. This festival welcomes and supports all individuals, regardless of age or faith, and is celebrated by people of all ages, communities, genders, and nationalities. It is aptly remarked that it is a celebration with the greatest power to unite people. Students of SRM *AP* celebrated Holi with excitement and shot countless photographs showing their happiness and friendships.



5. Special Camp by NSS Cell SRM  $\mathit{AP}$  in Kuragallu & Neerukonda Villages





















#### Citation:

SRM University - AP, Andhra Pradesh, Annual report 2021-2022

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