



SRM
UNIVERSITY AP
— Andhra Pradesh

Annual Report

2020-21



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 inter-disciplinary 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 diverse campus community of faculty and students.



CONTENTS

SRM University - AP.....	1
Campus and Infrastructure.....	1
Location.....	1
Our Charter.....	2
Aims and Objective.....	2
Governing Body.....	3
Board of Management.....	4
Academic Council.....	5
University Research Board.....	8
Schools & Degree Programs.....	10
Leadership.....	14
Faculty Members – Listed Department Wise.....	15
Academic Departments.....	22
Academic Activities by Faculty Members.....	31
Academic Activities by Students.....	59
University Distinguished Lecture Series (UDL's)	65
Department – Wise Invited Talks / Seminar Series.....	74
Sponsored Research Projects.....	76
Srm-Amara Raja Centre For Energy Storage Devices.....	82
Research Day 2021.....	83
International Collaborations And MoU's.....	89
Corporate Relations & Career Services.....	91
Extra Curricular Activities: Physical Education And Sports.....	101
National Service Scheme (NSS) Activities.....	102
Activities of Students Affairs Department.....	105
Innovation, Design, Entrepreneurship And Academy (IDEA).....	155
Lab Equipment and Instrumentation.....	157
Library.....	158
University's Stand Against Covid-19.....	163
Digital Platforms Activities.....	164

SRM University - AP, Andhra Pradesh



THE NEW FUTURE BEGINS HERE AT SRM UNIVERSITY - AP

SRM University – AP, Andhra Pradesh is a multi-stream research university with a focus on diverse fields. The University offer students a rich selection of undergraduate, postgraduate, and doctoral programmes to choose from various disciplines. With internationally trained faculty members and unique curriculum comparable to the best institutions around the world, the University is determined to prepare its students to a dynamic world. SRM University AP's vision is to emerge as a world-class university that is globally connected, nationally relevant, and regionally transformative. It has an ambitious plan to be in the top world-class universities in decade period.

CAMPUS AND INFRASTRUCTURE

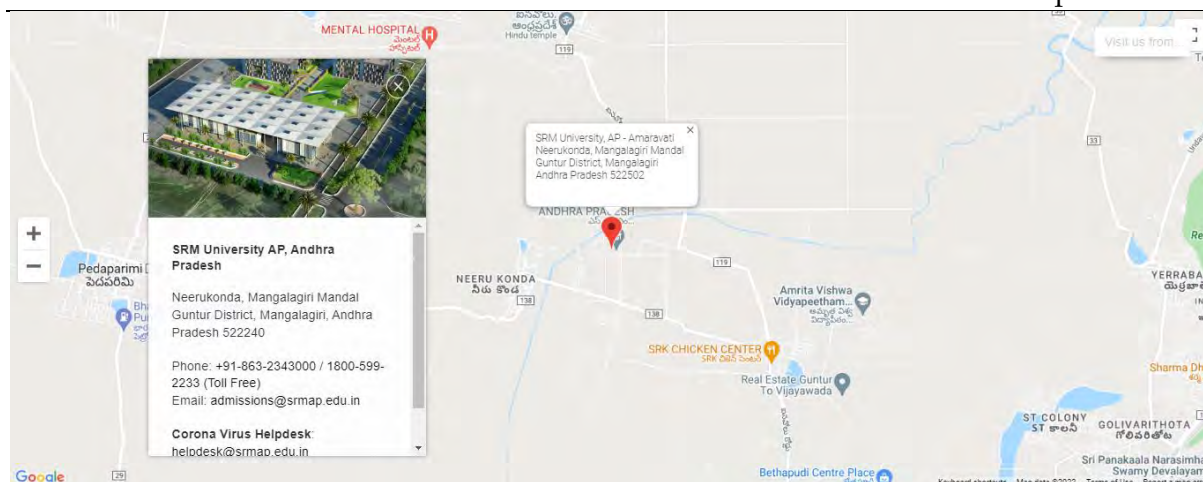
The campus is sprawled over 100 acres of lush greenery and facilitated with top-notch equipment and infrastructure. SRM University AP has partnered with the world's best names for educational method and philosophy, campus design and infrastructure, learning and living spaces, and recruitment of faculty and leadership. Perkins & Will, renowned American Architecture Firm, that has designed some of the leading universities in the world, is the architect for this new-age institution.

LOCATION

SRM University – AP, Andhra Pradesh is located at Neerukonda, Mangalagiri Mandal, Guntur District of Andhra Pradesh, between the major cities Vijayawada and Guntur, and the nearest town is Mangalagiri. It is well connected via railways, bus, and airport.

The nearest airport is Vijayawada Airport, which is 40 km away from SRM University - AP.

The nearest major railway stations are Vijayawada Junction and Guntur Junction, which are 23 and 31 km away respectively. NH16 is in proximity. The nearest major bus stations are in Mangalagiri, Vijayawada, and Guntur.



OUR CHARTER

SRM University - AP, Andhra Pradesh was founded in 2017 by the SRM Trust under the *Andhra Pradesh Private Universities (Establishment and Regulation) Act, 2016*. It was the first educational institute to be established in Amaravati, Andhra Pradesh with a vision of providing quality education and international exposure.

AIMS AND OBJECTIVE

As a leader in tertiary education, SRM University - AP has been challenging traditions. The University has been creating marvels since its inception in 2017 to reach its goal of becoming a multidisciplinary research institute of international repute. SRMAP thrives on bringing quality education within reach of our students to lessen the dependability on international institutions for quality education and research. SRMAP believes that our meritorious students can do wonders if they are given proper support and guidance. SRM University AP wants to emerge as a world-class university in creating and disseminating knowledge and providing students with 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.

- Develop into an inter-disciplinary institute combining academic rigour, the 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
- Create and sustain a university in which, for the benefit of both India and the wider world, the brightest researchers and the most promising students can thrive and realise their full potential.
- Recognise the power of education to change society.

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 Chairperson 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, USA
	Dr. Pradeep Khosla Chancellor, University of California, San Diego, USA
	Dr. Prasant Mohapatra Vice Chancellor for Research, University of California, Davis, USA
	Prof. K. N. Ganesh Director, IISER, Tirupati
	Mr. N. Ram Chairman, The Hindu Publishing Group, India
	Member – Secretary: Dr. D. Gunasekaran Registrar, (Until 20.08.2020) Dr. B. Sivakumar , Registrar (i/c), (26.08.2020 – 07.12.2020) Mr. J. Ernest Samuel Ratnakumar , Registrar, (08.12.2020 – 10.03.2021) Dr. Vinayak Kalluri , Registrar (i/c), (11 th March 2021 Onwards)

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 organisational matters, including the University's strategic priorities, policies, quality of the University's academic and administrative activities.

	Prof. V. S. Rao Chairperson and Vice Chancellor, SRM University, AP - 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 Professor emeritus, IISc, Bangalore
	Prof. B. V. R. Chowdari Nanyang Technological University, Singapore
	Prof. Chandra Shekhar Chancellor, Academy of Scientific
	Prof. Seeram Ramakrishna Co-Director, NUS Nanoscience & Nanotechnology Initiative (NUSNNI)
	Member - Secretary: Dr. D. Gunasekaran Registrar, (Until 20.08.2020) Dr. B. Sivakumar , Registrar (i/c), (26.08.2020 – 07.12.2020) Mr. J. Ernest Samuel Ratnakumar , Registrar, (08.12.2020 – 10.03.2021) Dr. Vinayak Kalluri , Registrar (i/c), (11 th March 2021 Onwards)

ACADEMIC COUNCIL MEMBERS

Sl. No	Designation	Members	Remarks
1	Vice Chancellor	Dr. P. Sathyanarayanan	Ex - Officio Chairperson (01 st Nov 2019 – 30 th June 2020)
2		Prof. V. S. Rao	Ex - Officio Chairperson (01 st July 2020 Onwards)
3	Pro Vice Chancellor	Prof. D. Narayana Rao	Ex - Officio Member
4	Deans of the Schools	1. Prof. M. A. Kalam Dean – School of Liberal Arts and Social Sciences (SLASS)	Ex - Officio Member (10 th Nov 2020 – 31 st March 2021)
		2. Prof. T. Ragunathan , Associate Dean, Engineering Programs – School of Engineering and Sciences (SEAS)	Ex - Officio Members
		3. Prof. C. Durga Rao , Associate Dean, Science Programs - School of Engineering and Sciences (SEAS)	
		4. Dr. B. Sivakumar – Deputy Dean, Academic Affairs	Ex - Officio Member (28 th Nov 2020 Onwards)
5	Two eminent Professors from IIT / NIT / IISC / IISER / University System nominated by the Chancellor	1. Prof T. V. Gopal – Professor, Department of Mechanical Engineering, SRMIST, Chennai 2. Prof. U. Ramamurty - Professor, Department of Materials Engineering, Indian Institute of Science (IISc) & School of Mechanical and Aerospace Engineering, Nanyang Technological University (NTU) Singapore	Members
6	One eminent person from Industry nominated by Chancellor	Dr. K. I. Varaprasad Reddy Founder, Shantha Biotechnics Limited, Hyderabad	Member (4 th Feb 2020 Onwards)

7	Heads of Departments	1. Prof. T. Ragunathan - CSE 2. Prof. Y. Siva Sankar - ECE 3. Dr. Prakash Jadhav - ME 4. Dr. Tousif Khan - EEE 5. Dr. G. V. P. Bhagath Singh - CE 6. Prof. V. Kannan - Mathematics 7. Prof. Jayaseelan Murugaiyan - Biology 8. Prof. Ranjit Thapa - Physics 9. Dr. S. Mannathan - Chemistry 10. Dr. G. Priyank Varma - English 11. Dr. Ghanshyam Kumar Pandey - Economics 12. Dr. Shoji D. Thottathil- EVS 13. Dr. Malavika Binny - History 14. Dr. Ugen Bhutia - Journalism 15. Dr. Salome Divya Joseph - Psychology 16. Prof. A. V. S. Kamesh - Management 17. Dr. A. Lakshmana Rao - Commerce	Ex - Officio Members
8	One third of the Professors of the University by rotation for a period of two years based on seniority	1. Prof. Priya Ranjan Department of Electronics Communication and Engineering 2. Prof. Jesse Ira Deutsch Department of Mathematics	Members
9	Controller of Examination	Dr. Vinayak Kalluri	Ex - Officio Member
10	Librarian	Mr. V. Srinivasa Rao	Ex - Officio Member
11	Two Associate Professors of the University by rotation for a period of two years based on seniority	1. Dr. Prakash Jadhav Department of Mechanical Engineering 2. Dr. P. Krishna Prasad Department of Computer Science and Engineering	Members
12	Two Assistant Professors of the University by rotation for a period of two years based on seniority	1. Dr. Sabyasachi Mukhopadhyay Department of Physics 2. Dr. T. Sreenivasulu Department of Electronics and Communication Engineering	Members

13	One Warden on rotation	Dr. Aparna Choudhary Department of Business Administration	Member
14	Two student representatives (One from undergraduate programs and one from postgraduate / research programs)	1. Mr. Shubham Rao (AP17110010069) III B. Tech - Computer Science and Engineering. 2. Ms. Anusha Nalajala (AP18125010003) Ph. D - Computer Science and Engineering.	Members
15	Registrar	Dr. D. Gunasekaran Registrar, (Until 20.08.2020) Dr. B. Sivakumar, Registrar (i/c), (26.08.2020 - 07.12.2020) Mr. J. Ernest Samuel Ratnakumar, Registrar, (08.12 2020 - 10.03.2021) Dr. Vinayak Kalluri, Registrar (i/c), (11th March 2021 Onwards)	Ex - Officio Member – Secretary

UNIVERSITY RESEARCH BOARD

Sl. No	Name and Designation	Constitution	Position
1	Prof. V. S. Rao Vice Chancellor	Ex-Officio	Chairperson
2	Prof. D. Narayana Rao Pro Vice Chancellor	Ex-Officio	Vice Chairperson
External Member from Academia			
3	Prof. M. Balakrishnan IIT, Delhi	External Expert	Member
Deans / Associate Deans			
4	Prof. Mohammed Abdul Kalam Dean – School of Liberal Arts and Social Sciences	Dean Ex-Officio	Member (Up to 31 st March 2021)
5	Dr. Vinayak Kalluri Associate Dean – Quality Assurance and Rankings & Controller of Examinations	Ex-Officio	Member
6	Prof. T. Ragunathan Associate Dean – Engineering Programs, School of Engineering and Sciences (SEAS)	Ex-Officio	Member
7	Prof. Chilakalapudi Durga Rao Associate Dean – Science Programs, School of Engineering and Sciences (SEAS)	Ex-Officio	Member
8	Dr. B. Sivakumar Deputy Dean - Academic Affairs	Ex-Officio	Member
HOD			
9	Prof. Ranjit Thapa HOD - Department of Physics	HOD	Member
Faculty Members			
10	Dr. Sutharsan Govindarajan Assistant Professor - Department of Biology	Faculty Members	Member
11	Dr. Satish Anamalamudi Assistant Professor – Department of CSE	Faculty Members	Member
12	Dr. Mahesh Kumar Ravva Assistant Professor-Department of Chemistry	Faculty Members	Member
13	Dr. Sheela Singh Associate Professor – Department of Mechanical Engineering	Faculty Members	Member
14	Dr. Om Jee Pandey Assistant Professor - Department of ECE	Faculty Members	Member
15	Dr. Salome Divya Joseph Assistant Professor - Department of Psychology	Faculty Members	Member

Ph. D. Scholar			
16	Ms. Kotha Jyothi Ph.D. Scholar – Department of Biology	Ph. D. Scholar	Member
Member Secretary			
17	Mr. J. Ernest Samuel Ratnakumar, Registrar, (08.12 2020 – 10.03.2021) Dr. Vinayak Kalluri, Registrar (i/c), (11th March 2021 Onwards)	Registrar	Member – Secretary

SCHOOLS & DEGREE PROGRAMS

The University offers its academic programmes under two schools

1) School of Engineering and Applied Sciences (SEAS) offers B.Tech. and Ph. D. degree programmes across five engineering departments.

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

Ph.D.

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

2) School of Liberal Arts and Social Sciences (SLASS) offers B.Sc., B.A., and Ph. D. degree programmes across five engineering departments.

SLASS offers undergraduate programmes - B.A., B.B.A., B.Com. and B.Sc. across 12 departments, and Ph. D. programmes across 10 departments. The list of programmes offered are listed below:

Program / Specialisation	Undergraduate Level	Graduate Level
Biology	B.Sc.	Ph. D.
Chemistry	B.Sc.	Ph. D.
Computer science	B.Sc.	Ph. D.
Economics	B.A.	Ph. D.
English Studies	B.A.	Ph. D.
History	B.A.	Ph. D.
Journalism	B.A.	Ph. D.
Mathematics	B.Sc.	Ph. D.
Physics	B.Sc.	Ph. D.
Psychology	B.A.	Ph. D.

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.

Program / Specialisation	Undergraduate Level	Graduate Level
Business Studies	B. B. A	Ph. D.
Commerce	B.Com.	Ph. D.

Student Strength

Students' strength in The Academic Year 2020-21

Sl. No	Degree Program	2017-18		2018-19		2019-20		2020-21		Total
		Male	Female	Male	Female	Male	Female	Male	Female	
1	CSE	103	36	428	244	350	200	548	286	2195
2	ECE	48	25	174	83	84	46	60	30	550
3	Mechanical Engineering	25	01	72	5	38	3	26	0	170
4	Civil Engineering	-	-	35	9	17	6	18	1	86
5	EEE	-	-	21	7	13	8	5	0	54
6	School of Liberal Arts and Basic Sciences & School of Management	-	-	37	39	38	44	-	-	158
7	B. Sc. Programs	-	-	-	-	-	-	12	6	18
8	School of Liberal Arts and Social Sciences	-	-	-	-	-	-	6	20	26
9	M.Tech	-	-	-	-	-	-	19	10	29
10	BBA	-	-	-	-	-	-	18	19	37
11	MBA	-	-	-	-	-	-	18	15	33
Total		176	62	767	387	540	307	730	387	3356

	Sl. No	State	Students
	1	Andhra Pradesh	2630
	2	Arunachal Pradesh	01
	3	Bihar	10
	4	Gujarat	12
	5	Jharkhand	11
	6	Karnataka	14
	7	Kerala	09
	8	Madhya Pradesh	15
	9	Maharashtra	24
	10	Nagaland	01
	11	New Delhi	05
	12	Punjab	01
	13	Rajasthan	09
	14	Tamil Nadu	22
	15	Telangana	428
	16	Puducherry	04
	17	Uttar Pradesh	49
	18	Chhattisgarh	08
	19	Daman & Diu	01
	20	Haryana	05
	21	Orissa	15
	22	Himachal Pradesh	01
	23	Tripura	01
	24	West Bengal	08
	25	Dadra and Nagar Haveli	01
	Total		3285

46 Students from 11 different countries



Sl. No	Country	No. of Students
1	America	07
2	Afghanistan	03
3	Bangladesh	09
4	Cote d'Ivoire	02
5	Ghana	12
6	Mauritius	01
7	Nepal	22
8	Nigeria	04
9	Tanzania	02
10	Syria	02
11	Sudanese	07
Total		71

State Board & CBSE Board Students

Name of State	State Board					CBSE				
	2017-18	2018-19	2019-20	2020-21	Total	2017-18	2018-19	2019-20	2020-21	Total
Arunachal Pradesh	-	-	-	-	0	-	-	01	-	1
Andhra Pradesh	137	860	660	812	2469	05	57	60	41	163
Telangana	37	137	73	152	399	01	13	08	4	26
Maharashtra	01	12	03	2	18	-	03	02	1	6
Uttar Pradesh	-	07	01	-	08	01	15	05	20	41
Karnataka	02	06	-	2	10	-	02	01	-	3
Madhya Pradesh	-	02	-	1	3	05	05	00	1	11
Tamil Nadu	03	05	03	4	15	01	02	01	3	7
Rajasthan	-	01	-	-	1	01	05	01	2	9
Gujarat	-	-	02	2	4	01	05	02	2	10
Jharkhand	-	-	01	-	1	03	04	02	1	10
Orissa	-	-	01	1	2	-	04	01	8	13
Haryana	-	-	-	-	0	-	03	01	1	5
Chhattisgarh	-	01	02	-	3	-	02	02	1	5
Puducherry	-	02	01	1	4	-	-	00	-	0
New Delhi	-	-	-	-	0	01	01	02	1	5
Punjab	-	-	01	-	1	-	-	-	-	0
Nagaland	-	-	-	-	0	-	-	01	-	1
Himachal Pradesh	-	-	-	-	0	-	01	-	-	1
Bihar	01	-	01	1	3	01	01	-	5	7
Daman And Diu	-	01	-	-	1	-	-	-	-	0
Kerala	-	-	01	-	1	02	01	-	5	8
Tripura	-	-	-	-	0	01	-	-	-	1
West Bengal	-	-	02	1	3	01	-	03	1	5
Dadra & Nagar haveli	-	-	-	1	1	-	-	-	1	1
Total	181	1034	752	980	2946	24	124	93	98	339

Board wise Distribution

Sl. No	Board	2017-18	2018-19	2019-20	2020-21	Grand Total
1	CBSE	21	124	93	98	339
2	State-Board	181	1,018	752	980	2946
3	Foreign	36	12	2	29	71

Ph. D. students Year Wise

Sl. No	Subject	2018-19		2019-20		2020-2021		Total
		Male	Female	Male	Female	Male	Female	
1	Biology	0	1	2	3	2	2	10
2	Business Administration	-	-	1	0	2	2	5
3	Chemistry	1	2	3	1	1	1	9
4	Computer Science Engineering	1	3	1	0	4	6	15
5	Electronics and Communication Engineering	2	1	5	3	11	3	25
6	Economics	1	0	0	0	0	0	1
7	Environmental Sciences	-	-	1	1	3	1	6
8	History	0	0	0	0	0	0	0
9	Mechanical Engineering	3	1			6	1	11
10	Physics	5	4	7	2	3	3	24
11	Mathematics			2	0	3	3	8
12	Civil Engineering	-	-	-	-	3	1	4
13	Psychology	-	-	-	-	2	1	3
14	Electrical Electronic Engineering	-	-	-	-	1	3	4
15	English	-	-	-	-	-	3	3
16	Commerce	-	-	-	-	-	1	1
Total		13	12	22	10	41	31	129
Grand Total		25		32		72		

LEADERSHIP

SRM University, AP – Andhra Pradesh, started in 2017, has been hiring top-notch intellectuals from across the world as its administrators and faculty members. The administration and teaching staff are adequately complemented by support staff both from SRM and Green Pearl Education Management.

Founders

Sl. No	Name	Designation
1	Dr. T. R. Paarivendar	Chancellor
2	Dr. P. Sathyanarayanan	Founder & President

Leadership

Sl. No	Name	Designation
1	Prof. V. S. Rao	Vice Chancellor
2	Prof. D. Narayana Rao	Pro Vice Chancellor
3	Prof. M. A. Kalam	Professor & Dean (SLASS) (10 th Nov 2020 – 31 st March 2021)
4	Prof. T. Raghunathan	Professor & Associate Dean (Engineering)
5	Prof. C. Durga Rao	Professor & Associate Dean (Sciences)
6	Dr. Kasthurirangan Gopalakrishnan	Professor & Associate Dean - Research
7	Dr. Vinayak Kalluri	Controller of Examinations, Associate Dean - Quality Assurance and Rankings and Registrar i/c
8	Dr. B. Sivakumar	Deputy Dean Academic Affairs
9	Ms. Suma Nulu	Chief Finance and Accounts Officer (CFAO)
10	Mr. R. Sivakumar	Director, HR
11	Wg. Cdr. Venkataachalam Sekkappan	Director, Campus Life & Maintenance (CLM)
12	Mr. Sreenivas Putta	Director, Admissions
13	Dr. K. Mohan	Director, ITKM
14	Mr. Sriram S. Padmanabhan	Director, Corporate Relations
15	Ms. Revathi Balakrishnan	Assistant Director, Student Affairs
16	Dr. Arundhati Ghanwar	Associate Director, ITKM
17	Ms. Suhasini Bolisetty	Assistant Director, ITKM
18	Mr. S Sankaranarayanan	Assistant Director

FACULTY MEMBERS - LISTED DEPARTMENT WISE (ALPHABETIC ORDER)

Biological Sciences

Sl. No	Name	Designation
1	Prof. Jayaseelan Murugaiyan	Professor & HOD
2	Prof. Chilakalapudi Durga Rao	Professor & Dean of SLABS
3	Dr. Anil K. Suresh	Associate Professor
4	Dr. Manjunatha T	DST INSPIRE Faculty
5	Dr. Writoban Basu Ball	Assistant Professor
6	Dr. Pancha Imran Yunusbhai	Assistant Professor
7	Dr. Sutharsan Govindarajan	Assistant Professor

Business Administration

Sl. No	Name	Designation
1	Dr. Michael James Barnes (Resigned on 18.01.2020)	Professor & Dean of Management
2	Prof. A. V. S. Kamesh	Professor
3	Dr. Aparna Choudhary	Assistant Professor
4	Dr. Ajitha S	Assistant Professor
5	Dr. Lalita Mohan Mohapatra	Assistant Professor
6	Dr. Sumit Kumar	Assistant Professor

Chemistry

Sl. No	Name	Designation
1	Dr. S. Mannathan	Associate Professor & HOD
2	Dr. Nimai Mishra	Assistant Professor
3	Dr. Sabyasachi Chakraborty	Assistant Professor
4	Dr. Mahesh Kumar Ravva	Assistant Professor
5	Dr. Pardha Saradhi Maram	Assistant Professor
6	Dr. Rajapandiyam Panneerselvam	Assistant Professor

Civil Engineering

Sl. No	Name	Designation
1	Dr. Kasthurirangan Gopalakrishnan (on leave)	Professor & Associate Dean for Research
2	Dr. G V P Bhagath Singh	Assistant Professor & Faculty Coordinator
3	Dr. Ayapilla Narasimha Murthy	Lecturer
4	Dr. KVNS Raviteja	Assistant Professor
5	Dr. Hari Krishna Gaddam	Assistant Professor
6	Dr. Uma Maheswar Arepalli	Assistant Professor
7	Dr. Katakam Lakshmi Subhavana	Assistant Professor
8	Dr. Thainswemong Choudhury	Assistant Professor

Commerce

Sl. No	Name	Designation
1	Dr. Ayyagari Lakshmana Rao	Assistant Professor & Faculty Coordinator
2	Dr. Shailender Singh	Associate Professor

Computer Science and Engineering

Sl. No	Name	Designation
1	Prof. T. Ragunathan	Professor & HOD
2	Prof. Radha Guha	Professor
3	Dr. Vadivel (Resigned on 08.12.2020)	Associate Professor
4	Dr. Pamulapati Krishna Prasad	Associate Professor
5	Dr. Ashok Kumar Pradhan	Assistant Professor
6	Dr. Priyanka	Assistant Professor
7	Dr. Jatindra Kumar Dash	Assistant Professor
8	Dr. Satish Anamalamudi	Assistant Professor
9	Dr. Murali Krishna Enduri	Assistant Professor
10	Dr. Sandeep Singh Sengar	Assistant Professor
11	Dr. Manikandan V M	Assistant Professor
12	Dr. Bhanukiran Perabathini	Assistant Professor
13	Dr. Jaya Lakshmi Tangirala	Assistant Professor
14	Dr. Amit Kumar Mandal	Assistant Professor
15	Dr. Sobin C C	Assistant Professor
16	Dr. Ravi Kant Kumar	Assistant Professor
17	Dr. Manjula	Assistant Professor
18	Dr. Shuvendu Rana	Assistant Professor
19	Dr. Diwakar Prasad Tripathi	Assistant Professor
20	Dr. Deepak Kachave	Assistant Professor
21	Dr. Ghanshyam Sitkura Bopche	Assistant Professor
22	Dr. B Ramachandra Reddy	Assistant Professor
23	Dr. Ashu Abdul	Assistant Professor
24	Dr. Tapas Kumar Mishra	Assistant Professor
25	Dr. Rajiv Senapati	Assistant Professor
26	Dr. Saleti Sumalatha	Assistant Professor
27	Dr. Dinesh Reddy Vemula	Assistant Professor
28	Dr. Sriramulu Bojjagani	Assistant Professor
29	Dr. Neeraj Kumar Sharma	Assistant Professor
30	Dr. Sambit Kumar Mishra	Assistant Professor
31	Dr. Niladri Sett	Assistant Professor
32	Dr. Ajay	Assistant Professor
33	Dr. Sonam Maurya	Assistant Professor
34	Dr. Kshirasagar Sahoo	Assistant Professor
35	Dr. Arnab Mitra	Assistant Professor

36	Dr. Md Muzakkir Hussain	Assistant Professor
37	Dr. Morampudi Mahesh Kumar	Assistant Professor
38	Dr. Shubham Gupta	Assistant Professor
39	Dr. Hirenkumar Bharatbhai Thakkar	Assistant Professor
40	Dr. Akash Anil	Assistant Professor
41	Dr. Kumaran Pazhamalai	Assistant Professor
42	Mr. Abadhan Saumya Sabyasachi	Lecturer

Electronics and Communication Engineering

Sl. No	Name	Designation
1	Prof. Siva Sankar Yellampalli	Professor & HOD
2	Prof. Priya Ranjan	Professor
3	Dr. Usha Gogineni	Associate Professor
4	Dr. Ramesh Vaddi	Associate Professor
5	Dr. Sreenivasulu Tupakula	Assistant Professor
6	Dr. Sudhakar Tummala	Assistant Professor
7	Dr. V. Udaya Sankar	Assistant Professor
8	Dr. Sujith Kalluri	Assistant Professor
9	Dr. V Sateeshkrishna Dhuli	Assistant Professor
10	Dr. Pradyut Kumar Sanki	Assistant Professor
11	Dr. Anirban Ghosh	Assistant Professor
12	Dr. Anuj Deshpande	Assistant Professor
13	Dr. E. Karthikeyan	Assistant Professor
14	Dr. Sunil Chinnadurai	Assistant Professor
15	Dr. Om Jee Pandey	Assistant Professor
16	Dr. KM Divya Chaturvedi	Assistant Professor
17	Dr. Sibendu Samanta	Assistant Professor
18	Dr. Tatinati Sivanagaraja	Assistant Professor
19	Dr. Goutam Rana	Assistant Professor
20	Dr. Arun Kumar	Assistant Professor
21	Dr. Inbarasan Muniraj	Assistant Professor
22	Dr. Ramakrishnan Maharajan	Assistant Professor
23	Dr. Indranil Hatai	Assistant Professor

Economics

Sl. No	Name	Designation
1	Dr. Ghanshyam Pandey	Assistant Professor & Faculty Coordinator
2	Dr. Anoop Kumar (Resigned on 08.09.2020)	Assistant Professor
3	Dr. Shrabani Mukherjee (Resigned on 12.04.2021)	Associate Professor
4	Dr. Anandrao Suvvari	Assistant Professor
5	Dr. Mohana Rao Balaga	Assistant Professor
6	Dr. Manzoor Hassan Malik	Assistant Professor

Electrical & Electronics Engineering

Sl. No	Name	Designation
1	Dr. Tousif Khan	Assistant Professor & Faculty Coordinator
2	Prof. K. Koshy George	Professor
3	Dr. Somesh Vinayak Tewari	Assistant Professor
4	Dr. Sastry Venkata Vedula	Distingusihed Visiting Professor
5	Dr. Shubh Lakshmi	Assistant Professor
6	Dr. Upendra Reddy C	Assistant Professor
7	Dr. Bhamidi Lokeshgupta	Assistant Professor
8	Dr. Tarkeshwar	Assistant Professor
9	Dr. Ramanjaneya Reddy	Assistant Professor

English

Sl. No	Name	Designation
1	Dr. G. Priyank Varma	Assistant Professor & Faculty Coordinator
2	Dr. Srabani Basu	Associate Professor
3	Dr. Nibedita Bandyopadhyay (Resigned on 10.05.2021)	Assistant Professor
4	Dr. Rajni	Assistant Professor
5	Dr. Ram Kulesh Thakur	Assistant Professor
6	Dr. Soni Wadhwa	Assistant Professor

Environmental Science

Sl. No	Name	Designation
1	Dr. Shoji D. Thottathil	Assistant Professor & Faculty Coordinator
2	Dr. Karthik Rajendran	Assistant Professor
3	Dr. Lakhveer Singh	Assistant Professor
4	Dr. Pankaj Pathak	Assistant Professor
5	Dr. Javid Ahmad Dar	Assistant Professor

History

Sl. No	Name	Designation
1	Dr. Maanvender Singh	Assistant Professor & Faculty Coordinator
2	Dr. Malavika Binny	Assistant Professor
3	Dr. Megha Yadav	Assistant Professor

Journalism

Sl. No	Name	Designation
1	Dr. Ugen Bhutia	Assistant Professor & Faculty Coordinator

Mathematics

Sl. No	Name	Designation
1	Dr. V. Kannan	Professor & HOD
2	Dr. Jesse Ira Deutsch	Professor
3	Dr. Jadav Ganesh	Assistant Professor
4	Dr. Fouzul Atik	Assistant Professor
5	Dr. Sayantan Mandal	Assistant Professor
6	Dr. Vijayakrishna Rowthu	Assistant Professor
7	Dr. Tapan Kumar Hota	Assistant Professor
8	Dr. Sivaramakrishnan	Assistant Professor
9	Dr. B Madhav Reddy	Assistant Professor
10	Dr. Subhashree Mohapatra	Assistant Professor
11	Dr. Firdoshi Parveen	Assistant Professor
12	Dr. Awanish Kumar Tiwari	Lecturer
13	Dr. G L Reddy	Visiting Faculty
14	Dr. Partha Sarathi Patra	Assistant Professor
15	Ms. Kota Alekhya	Instructor
16	Dr. Ram Baran Verma	Assistant Professor
17	Mr. Radhakrishnan M	Assistant Professor
18	Dr. Jayasree Subramanian	Assistant Professor
19	Dr. Ranjana Mehta	Assistant Professor
20	Dr. Saswata Adhikari	Assistant Professor
21	Dr. Manish Kumar Pandey	Assistant Professor
22	Dr. B M Naidu	Assistant Professor
23	Dr. Gaanutula Damodar Reddy	Assistant Professor
24	Dr. Suratno Basu	Assistant Professor
25	Dr. Shweta Srivastav	Assistant Professor
26	Dr. Mohan Kumar Mallick	Assistant Professor
27	Dr. Pallab Kanti Dey	Assistant Professor
28	Dr. Sazzad Ali Biswas	Assistant Professor

Mechanical Engineering

Sl. No	Name	Designation
1	Prof. Shivkumar Narayanaswamy (on leave)	Professor
2	Dr. Prakash Jadhav	Associate Professor & HOD
3	Dr. Venkata N Nori	Associate Professor
4	Dr. Sheela Singh	Associate Professor

5	Dr. G. S. Vinod Kumar	Associate Professor
6	Dr. Satya Pramod Jammy	Assistant Professor
7	Dr. Surfaraz Hussain Halkarni	Assistant Professor
8	Dr. Jayaprakash Sharma Panchagnula (Resigned on 10.06.2021)	Assistant Professor
9	Dr. Lakshmi Sirisha Maganti	Assistant Professor
10	Dr. Janardhan Vistapalli	Assistant Professor
11	Dr. Sudhir Raj	Assistant Professor

Physics

Sl. No	Name	Designation
1	Prof. Ranjit Thapa	Professor & HOD
2	Dr. Goutam Kumar Dalapati	Associate Professor
3	Dr. Sabyasachi Mukhopadhyay	Assistant Professor
4	Dr. Jatis Kumar Dash	Assistant Professor
5	Dr. Gangi Reddy Salla	Assistant Professor
6	Dr. Pranab Mandal	Assistant Professor
7	Dr. Laxmi Narayana Patro	Assistant Professor
8	Dr. Mallikarjuna Rao Motapothula	Assistant Professor
9	Dr. Soumyajyoti Biswas	Assistant Professor
10	Dr. Siddhartha Ghosh	Assistant Professor
11	Dr. Amit Chakraborty	Assistant Professor

Psychology

Sl. No	Name	Designation
1	Dr. Salome Divya Joseph	Assistant Professor & Faculty Coordinator
2	Dr. Janhavi Devdutt	Guest Faculty
3	Ms. Ayesha Parveen	Lecturer
4	Dr. Divya Dovina	Guest Faculty

Teaching Learning Centre

Sl. No	Name	Designation
1	Dr. Balaguruprasad Narayanan	Associate Professor
2	Dr. Anupama Ghattu	Associate Professor

Chinese Language

Sl. No	Name	Designation
1	Ms. Hsin Yi, Huang	Mandarine chinese Instructor

Physical Education

Sl. No	Name	Designation
1	Dr. Abdul Mohaimin	Assistant Director

Health Center

Sl. No	Name	Designation
1	Dr. Lakshmi Rajyam	Medical Officer
2	Dr. Lakshmi Kiran	Medical Officer

Total Faculty Members:

Sl. No	Name of the Department	No. of Faculty
1	Biological Sciences	7
2	Bachelor of Business Administration	6
3	Chemistry	6
4	Civil Engineering	8
5	Computer Science and Engineering	42
6	Electronics and communication Engineering	23
7	Economics	6
8	Electrical and Electronics Engineering	9
9	English	6
10	Environmental Sciences	5
11	History	3
12	Journalism	1
13	Mathematics	28
14	Mechanical Engineering	11
15	Physics	11
16	Psychology	4
17	Teaching Learning Centre	2
18	Chinese Language	1
19	Physical Education	1
20	Health Center	2
TOTAL		184

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 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 to mould them to succeed in the modern technological world.

Program Name	Details	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)

Electronics and Communication Engineering is a fast-evolving discipline under the division of electrical sciences. The primary objective of the department has been to impart quality technical education to the students. To keep in pace with the current technological advancements, in addition to the University curriculum additional tutorials, tech-talks, workshops are frequently held so that the students get a feel of what exactly is happening outside in the tech-world.

Program Name	Details	Number of semester & Years of study	Credits required
B. Tech	Electronics and Communication Engineering	8 semesters (4 Years)	155
M. Tech	Internet of Things	4 Semester (2 Years)	62
Ph. D.	VLSI Design, Microelectronics, Batteries, Image processing, Wireless communication, Information theory and coding, Signal processing, Microwaves, and photonics.	----	-

Department of Electrical and Electronics Engineering (EEE)

Electrical and Electronics Engineering (EEE) is a constantly evolving discipline and one of the most sought core engineering fields. It comprises interdisciplinary courses from Physics, Mathematics, Computer Science, Communication Engineering and Mechanical Engineering, in addition to the subjects from both Electrical and Electronics Engineering. The Department of EEE at SRM University, AP- Andhra Pradesh has been in the forefront of both teaching and research since its inception in 2018. At present, the Department offers one Under-Graduate programme (B.Tech.-EEE) and a Research programme (Ph. D.) in the various specialized areas of Electrical and Electronics Engineering. The Department has a rich blend of young and highly experienced regular and distinguished visiting faculty members, all holding Ph. D. from reputed universities in India and abroad.

Program Name	Details	Number of semester & Years of study	Credits required
B. Tech	Electrical and Electronics Engineering	8 semesters (4 Years)	160
Ph. D	Power Electronics, Power Systems, Control Systems, Electrical Machines, High Voltage and Renewable Energy	-	-

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	Details	Number of semester & Years of study	Credits required
B. Tech	Mechanical Engineering	8 semesters (4 Years)	157
M. Tech	Materials and Manufacturing	4 Semester (2 Years)	60
Ph. D.	Material science, Nano materials, High Performance Computing, Fluids and Thermal, Porus flows, aircraft materials, Robotics, Additive Manufacturing	----	-

Department of Civil Engineering (CIVIL)

The department offers B. Tech and Ph. D. degree programmes. The curriculum of these programmes covers the topics related to design and practically implementation in real time conditions. Active learning is the pedagogy followed by the faculty to improve the quality of learning of the students. The department provides excellent state of the art laboratory facilities to the students to impart quality practical training. The department provides specialization streams such as (i) Structural Engineering (ii) Geotechnical Engineering (iii)

Transportation Engineering (iv) Water Resources and Environmental Engineering 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 programme. 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 to mould them to succeed in modern technological world.

Program Name	Details	Number of semester & Years of study	Credits required
B. Tech	Civil Engineering Specialization streams: Structural Engineering Geotechnical Engineering Transportation Engineering Water Resources Engineering Environmental Engineering	8 semesters (4 Years)	160
Ph. D	Structural Engineering Cementitious Materials Geotechnical and Geoenvironmental Engineering Transportation and Pavement Engineering	NA	NA

Department of Biology (BIO)

The department offers 3-year B.Sc. programme in Biology and Ph.D. programme. Besides, the department also offers minor programme in Biology, as well as allied courses and elective courses to students of B. Tech, B.A. and B.Sc. programmes.

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

Department of Physics

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. In last two years' faculty members published 81 research articles with average impact factor of 5.05. Three patents have been filed and 10 govt. funded projects (DST, SERB, BRNS, UGC-DAE, NSM) are on-going with total outlay of > 4.13 Crores.

Program Name	Specialization	Number of semester & Years of study	Credits required
B. Sc. (Hons)	Physics	6 semesters (3 Years)	140
Ph. D.	Theoretical Physics (Computational materials Science/ Statistical Physics/ High energy Physics), Experimental Physics (Condensed matter/ Materials Science/ Photonics)	-	16

Department of Chemistry

Chemistry is often called the "CENTRAL SCIENCE" as it plays a pivotal role in all aspects of physical and biological sciences, including engineering, agriculture, medicine, and allied health disciplines. The Department of Chemistry is composed of dynamic faculty members across diverse areas creating and spreading new knowledge at the forefront. In many cases, faculty, post-doctoral fellows, graduate, and undergraduate students collaboratively pursue interdisciplinary research within the department. The department offers foundation courses to 1st year B.Tech. students, B.Sc. programme, and Ph. D. programmes. The undergraduate programme has been designed to provide a foundation in general areas of inorganic, organic, and physical chemistry, along with specialized courses including material, analytical, nuclear, biophysical chemistry, and chemical biology, which provide undergraduate students with a rigorous, high-quality education, and exceptional research opportunities in a challenging and nurturing environment.

Research in the Department extends the disciplines of chemical sciences, including organic, inorganic, physical, and theoretical/computational chemistry. Furthermore, research laboratories in these traditional areas pursue problems at the interface of biology (i.e., chemical biology) and materials science (i.e., nanoscience and materials chemistry). We benefit significantly from a highly interdisciplinary and collaborative environment, including strong interactions with other premier institutions across India and around the world.

Research areas

- New Synthetic Methods in Organic Chemistry
- Heterogeneous Catalysis
- Computational Chemistry
- Synthesis of Metal-Semiconductor Hybrid Nanomaterials for Multi-modal Functionalities

- Functional Nanomaterials for Theranostic Applications
- Synthesis and applications of Core/Shell Semiconductor and Perovskite Nanocrystals
- Development of advanced mixed metal oxides for Li-ion and beyond Li-ion batteries
- Ultra-high temperature ceramics for aerospace applications
- Development of surface-enhanced Raman spectroscopy (SERS) substrates and its application in chemistry, and food science.

Program Name	Specialization	Number of semester & Years of study	Credits required
B. Sc.	Chemistry	6 Semester (3 Years)	120
Ph. D	Computational Chemistry, Organic synthesis, Solid state electrochemistry, Heterogeneous catalysis, Nanoscale materials for theranostic, and thermoelectric applications	-	-

Department of Mathematics (MATH)

The Department of Mathematics of SRM University AP under the umbrella of School of Engineering and Sciences has started functioning from July 2017. The Department's research and educational goals are to address the responsibilities associated with; (a) providing the broad and excellent training incorporating the principal ideas in mathematics, (b) working towards the development of students as mathematical thinkers, enabling them to become life-long learners, to continue to grow in their chosen professions, and to function as productive citizens.

Being one of the founding departments at SRM University, we have dedicated world-class faculty members who are having the expertise from the different spectrum of mathematical sciences. Further, the faculty members have a great research experience and international exposure from elite institutions across the globe. Our fraternity is actively engaged in diverse fields of mathematical research in pure and applied, viz. 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, to name a few.

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.	-	-

Department of Environmental Science (EVS)

The Department of Environmental Science at SRM University AP is the place where diverse aspects of Human – Environment interactions are explored under one scholarly roof. Our department encompasses perhaps the broadest spectrum of research areas / disciplines in the School of Liberal Arts and Basic Science (SLABS) at SRM University AP. Study Ecology and Biogeochemistry of terrestrial and / or aquatic systems to understand ecosystem response to ongoing global climate change and anthropogenic pressures. Specialize in energy production, water treatment and nano-catalyst synthesis for a sustainable future. Go the techno-economic analysis route for a sustainable bioeconomy. Or looking for a career in solid waste management to reduce environmental burden. Any direction you choose; our department provides a unique platform to stimulate student's passion under the supervision of highly dynamic faculty members looking at today's most important societal needs. Other than Foundation Course in Environmental Science across all undergraduate disciplines, we offer PhD program in Environmental Science with a broad spectrum of specialization: Carbon Biogeochemistry of Aquatic Ecosystems, Bioelectrochemical Systems for the production of renewable fuels and chemicals, Nanomaterials for sustainable applications, Bioenergy Production, Energy and Material Recovery, Techno-Economic Analysis and Life Cycle Assessment, Process Design and Systems Analysis, Wastewater Treatment and Reuse, and Solid Waste Management

Program Name	Specialization	Number of semester & Years of study	Credits required
Ph. D.	Carbon biogeochemistry of aquatic ecosystems Bioelectrochemical Systems Nanomaterials for sustainable applications, Bioenergy Production, Energy and Material Recovery, Techno-Economic Analysis and Life Cycle Assessment Wastewater Treatment, and Solid Waste Management.	---	---

Department of English (ENG)

The Department of English is committed to: preparing students for career avenues in the creative arts, digital media, advertising, journalism, cinema, writing etc through a focus on creative thinking, making students highly sought-after teachers of language and literature by preparing them in new creative pedagogical methods, empowering students to become creative entrepreneurs with exposure to different styles of thinking, behaving, organizing, writing, innovating and so on, and enabling students to be able to pursue further studies in any of the humanities by strengthening their interdisciplinary foundations. Through Ph.D. programmes in ELT and Literature, it seeks to do innovative research and produce scholars who can make an impact on the humanities' research scene in India.

Program Name	Specialization	Number of semester & Years of study	Credits required
B.A.	English	6 Semesters (3 years)	116
Ph. D.	Literature, Film Studies English Language Teaching	-	-

Department of History (HIS)

The Department of History aims to equip the students to learn from history rather than merely learning history. The courses in the B.A. programme in History is designed to prepare students with the knowledge of historical processes, events and transformations in world and Indian History from Stone Age to the contemporary world. Every student is trained in the art of reading, writing, speaking, reasoning, and interpretation of texts in periodic seminars. Continuous evaluation through tutorials, term papers, and seminars apart from the end-term examinations will be the hallmark of this programme. The courses contain necessary knowledge in the subject for pursuing higher degree in social sciences, from an inter-disciplinary and multi-disciplinary approach.

Program Name	Specialization	Number of semester & Years of study	Credits required
B.A (Hons)	History	6 semesters (3 Years) With the option of an additional thesis year	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	-	-

Department of Journalism (JOUN)

The Major in the department of Journalism promotes questioning, seeking, discovery, analysis, and understanding of a wide variety of academic disciplines. 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
B. A	Journalism	6 semesters (3 Years)	112

Department of Psychology (PSY)

Psychology, a subject that emerged from philosophy, is today, an art as well as a science. Psychology deals with human behaviour, and its complex underlying processes. There are different domains that require skills of a professional psychologist – counselling setups, hospitals, industries/ organizations, schools, behavioural/cognitive research centres, rehabilitation centres and so on. Current statistics on mental health is alarming and the need for psychology is continually on the rise. We, at SRM-AP, are a team of individuals with a passion to promote mental health and well-being. The uniqueness of the department lies in its potential to equip students to deal with real world problems, by giving them in-depth understanding of psychology subjects as well as breadth of exposure in a number of related subjects, at the undergraduate and post graduate levels.

The programs offered by the department for the year 2020-2021 were:

Program Name	Specialization	Number of semester & Years of study	Credits required
B. A., (Hons)	Psychology	6 semesters (3 Years)	140
Ph. D.	Psychology	-	-

Department of Commerce (COMM)

Commerce as a field of study has its prominence since 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 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 Dept. of Commerce taking its phase under School of Entrepreneurship and Management Studies (SEAMS) has its course by offering various courses to the students at the University. Currently, the Dept. of Commerce offering on its board Ph. D. and in the way of offering its maiden B. Com (Hons) Programme.

Program name	Specialization	Number of semester & Years of study	Credits required
B. Com (Hons)	Data Analytics, Financial Management, Marketing Management & Human Resource Management	8 Semester (3 Years)	140
Ph. D.	Commerce	--	

Department of Economics (ECO)

Economics is the study of how societies, governments, businesses, households, and individuals allocate their scarce resources and how they interact with each other in producing and maintaining livelihoods. The B.Sc. (Hons.) Economics programme seeks to draw students who have a desire to enter careers where they are likely to make long-lasting contributions in policy making, in research or in corporate world. Also, the department allows learners to undertake Ph. D. programme to analyze economic components and contribute to the society.

Program Name	Specialization	Number of semester & Years of study	Credits required
B.Sc.	Economics	6 semesters (3 Years)	120

Department of Business Administration (BBA)

The School of Management offers a full time 3-year BBA as well as Ph. D. programme. The objective of the programme is to enable the students to flourish in the ever-changing corporate world. The department assists the young minds to understand the concepts in a holistic way through its dynamic curriculum. The students' learning is monitored and assessed continuously through various innovative ways such as digital exams, on-line exams, case study discussions and tests, group discussions, role plays, quiz programmes, research projects, and through other assessment criterions.

Program Name	Specialization	Number of semester & Years of study	Credits required
B.B.A	Bachelor of Business Administration	6 semesters (3 Years)	140
M.B.A	General, Banking and Finance and Data Science	4 Semesters (2 years)	103
Ph. D.	NA	6 Semesters (3 years)	12

ACADEMIC ACTIVITIES BY FACULTY MEMBERS

Journal Publications

- 1) H. Bhuyan, P. P. Das, J. K. Dash, and J. Killi, "An Automated Method for Identification of Key frames in Bharatanatyam Dance Videos," in *IEEE Access*, vol. 9, pp. 72670-72680, 2021, doi: 10.1109/ACCESS.2021.3079397.
- 2) Murmu S, Paul S, Kapse S, Thapa R, Chattopadhyay S, Abharana N, Jha SN, Dibyendu B, Ghorai UK. Unveiling the Genesis of the High Catalytic Activity in Nickel Phthalocyanine for Electrochemical Ammonia Synthesis. *Journal of Materials Chemistry A*. 2021.
- 3) Jadhav P. Passive morphing in aerospace composite structures. In *Key Engineering Materials 2021* (Vol. 889, pp. 53-58). Trans Tech Publications Ltd.
- 4) Jadhav P. Failure criteria for composite blades with wavy edge in aerospace applications. In *Advances in Materials and Mechanical Engineering 2021* (pp. 113-121). Springer, Singapore.
- 5) Jadhav P, Gruha LY. Design and Optimization of Hybrid Interface Joint in a Composite Fan Blade of Aircraft Engine. In *IOP Conference Series: Materials Science and Engineering 2021 Mar 1* (Vol. 1126, No. 1, p. 012036). IOP Publishing.
- 6) Nizami TK, Chakravarty A, 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 Mar 1;15:100127.
- 7) Udumula RR. Single Input LC Series Resonant Converter Based High Brightness Light Emitting Diode Driver with ZVS. *Authorea Preprints*. 2021 Mar 18.
- 8) Manjula R, Narasamma B, Shruthi G, Nagarathna K, Kumar G. Artificial Olfaction for Detection and Classification of Gases Using e-Nose and Machine Learning for Industrial Application. In *Machine Intelligence and Data Analytics for Sustainable Future Smart Cities 2021* (pp. 35-48). Springer, Cham.
- 9) Bhadra SR, Pradhan AK, Biswas U. Assignment of dynamic light trail in WDM optical mesh networks. *Journal of Optics*. 2021 Mar 24:1-9.
- 10) Satpathy R, Choudhury T, Satpathy S, Mohanty SN, Zhang X, editors. *Data Analytics in Bioinformatics: A Machine Learning Perspective*. John Wiley & Sons; 2021 Jan 20.
- 11) Tripathi D, Edla DR, Bablani A, Shukla AK, Reddy BR. Experimental analysis of machine learning methods for credit score classification. *Progress in Artificial Intelligence*. 2021 Mar 15:1-27.
- 12) M. Tiwary, P. Mishra, S. M. Jain, and Kshira Sagar Sahoo, AutoDBaaS: Autonomous Database as a Service for managing backing services, EDBT/ICDT 2021, Industrial Track, Nicosia, Cyprus, 2021, <http://dx.doi.org/10.5441/002/edbt.2021.70>
- 13) Jena S, Sahu LK, Mishra SK, Sahoo B. VM Consolidation based on Overload Detection and VM Selection Policy. In *2021 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence) 2021 Jan 28* (pp. 252-256). IEEE.
- 14) Gopisetty R, Ragunathan T, Bindu CS. Improving performance of a distributed file system using hierarchical collaborative global caching algorithm with rank-based replacement technique. *International Journal of Communication Networks and Distributed Systems*. 2021;26(3):287-318.

- 15) Hajarathaiah K., Anamalamudi S., Enduri M. K., A Survey on Recent Methods of Finding Influential Nodes in Complex Networks, *International Journal of Advanced Trends in Computer Science and Engineering*, 2021, 10.30534/ijatcse/2021/501022021
- 16) Madhu G, Govardhan A, Srinivas BS, Sahoo KS, Jhanjhi NZ, Vardhan KS, Rohit B. Imperative Dynamic Routing Between Capsules Network for Malaria Classification. *CMC-Computers Materials & Continua*. 2021 Jan 1;68(1):903-19.
- 17) Mahto T, Kumar R, Malik H, Hussain SM, Ustun TS. Fractional Order Fuzzy Based Virtual Inertia Controller Design for Frequency Stability in Isolated Hybrid Power Systems. *Energies*. 2021 Jan;14(6):1634.
- 18) Jani H, Linghu J, Hooda S, Chopdekar RV, Li C, Omar GJ, Prakash S, Du Y, Yang P, Banas A, Banas K. Reversible hydrogen control of antiferromagnetic anisotropy in α -Fe₂O₃. *Nature communications*. 2021 Mar 12;12(1):1-0.
- 19) Pedireddy S, Jimenez-Sandoval R, Ravva MK, Nayak C, Anjum DH, Jha SN, Katuri KP, Saikaly PE. Harnessing the Extracellular Electron Transfer Capability of *Geobacter sulfurreducens* for Ambient Synthesis of Stable Bifunctional Single-Atom Electrocatalyst for Water Splitting. *Advanced Functional Materials*. 2021 Mar 15:2010916.
- 20) Gumber M, Sharma A, Joseph SD. Embarrassment in the Context of Negative Emotions, and Its Effects on Information Processing. In *Emotion and Information Processing 2020* (pp. 125-143). Springer, Cham.
- 21) Roy S, Biswas S. Size distribution of emitted energies in local load sharing fiber bundles. *Frontiers in Physics*. 2021;9:150.
- 22) Akhil S, Dutt VV, Mishra N. Surface modification for improving the photoredox activity of CsPbBr₃ nanocrystals. *Nanoscale Advances*. 2021;3(9):2547-53.
- 23) Pujara Y, Govani J, Chabhadiya K, Patel H, Vaishnav K, Pathak P. Waste-to-Energy: Suitable Approaches for Developing Countries. In *Alternative Energy Resources 2020* (pp. 173-191). Springer, Cham.
- 24) Ghorai UK, Paul S, Ghorai B, Adalder A, Kapse S, Thapa R, Nagendra A, Gain A. Scalable Production of Cobalt Phthalocyanine Nanotubes: Efficient and Robust Hollow Electrocatalyst for Ammonia Synthesis at Room Temperature. *ACS nano*. 2021 Mar 1;15(3):5230-9.
- 25) Pandey G, Kumari S. Dynamics of agricultural growth and diversification in Eastern India. *Journal of Agribusiness in Developing and Emerging Economies*. 2021 Feb 10.
- 26) Egala BS, Pradhan AK, Badarla VR, Mohanty SP. Fortified chain: a blockchain based framework for security and privacy assured internet of medical things with effective access control. *IEEE Internet of Things Journal*. 2021 Feb 12.
- 27) Talluri LS, Thirumalaisamy R, Kota R, Sadi RP, KC U, Naha RK, Mahanti A. Providing Consistent State to Distributed Storage System. *Computers*. 2021 Feb;10(2):23.
- 28) Birthal PS, Pandey G. Structural transformation and sources of growth in South Asian agriculture. In *Transforming Agriculture in South Asia 2020* Dec 30 (pp. 49-70). Routledge.
- 29) Paul JK, Yuvaraj T, Gundepudi K. Demonstrating Low-Cost Unmanned Aerial Vehicle for anti-Poaching. In *2020 IEEE 17th India Council International Conference (INDICON) 2020* Dec 10 (pp. 1-7). IEEE.
- 30) Pathak P. Renewable Energy as a Sustainable Alternative: A Way Forward. In *Alternative Energy Resources 2020* (pp. 317-321). Springer, Cham.
- 31) .

- 32) K. N. Brinda, Jan Grzegorz Małecki, Zhoveta Yhobu, D. H. Nagaraju*, Srinivasa Budagumpi*, E. S. Erakulan, and Ranjit Thapa, Novel Carbene Anchored Molecular Catalysts for Hydrogen Evolution Reactions, *J. Phys. Chem. C* 2021, 125, 7, 3793–3803.
- 33) M. K. Verma, S. Shakya, P. Kumar, J. Madhavi, J. Murugaiyan & M. V. R. Rao, Trends in packaging material for food products: historical background, current scenario, and prospects, *Journal of Food Science and Technology* (2021), 58, 11, 4069 – 4082.
- 34) Alapati Venkateswarlu, dusumilli Adilakshmi, Rithvik Alapati, Sustainable Development Vs Environment Protection – Achieving a Fine Balance: A Case Study of Andhra Pradesh, *International Journal of Advanced Research in Engineering and Technology*, 11(6), 2020, pp. 106-112.
- 35) Shamili Bandaru, Chandreswar Mahata, Sabyasachi Chakraborty, Siddhartha Ghosh, Hassan Algadi, Seeram Ramakrishna, Goutam Kumar Dalapati, Nano-structured CuO on Silicon Using a Chemical Bath Deposition Process and Sputter Seed Layer, *Journal of Electronic Materials* > Issue 4/2021
- 36) Asi Reddy, Apparaju Kamesh, Mediating role of trust on the relationship between servant leadership and team commitment among the employees of IT-sector in south India, *Organizational Psychology*, 2021
- 37) Kondusamy, D., Kaushal, M., Ahlawat, S. and Rajendran, K., The role of techno-economic implications and governmental policies in accelerating the promotion of biomethane technologies, *Emerging Technologies and Biological Systems for Biogas Upgrading*, 2021, 10.1016/B978-0-12-822808-1.00016-7
- 38) Agasthiyaraj Lakshmanan, Deepak S. Gavali, Ranjit Thapa, and Debabrata Sarkar, Synthesis of CTAB-Functionalized Large-Scale Nanofibers Air Filter Media for Efficient PM2.5 Capture Capacity with Low Airflow Resistance, *ACS Appl. Polym. Mater.* 2021, 3, 2, 937–948
- 39) Kamala Kumari Duru; Chanakya Karra; Praneash Venkatachalam; Sai Akhil Betha; Asha Anish Madhavan, Critical Insights into Fast Charging Techniques for Lithium-Ion Batteries in Electric Vehicles, *EEE Transactions on Device and Materials Reliability*, Volume: 21 Issue: 1
- 40) Tauseef A., Hisamuddin, Khalilullah A., Uddin I, Role of MgO nanoparticle in the suspension of *Meloidogyne incognita*, Infecting cowpea and improvement in plant growth and physiology, *Experimental Parasitology*, 2020, 10.1016/j.exppara.2020.108045. Epub
- 41) Amit Mandal, Pietro Ferrara, Yuliy Khlyebnikov, Agostino Cortesi, Fausto Spoto, Cross-program taint analysis for IoT systems, *Proceedings of the ACM Symposium on Applied Computing*, 2020,
- 42) V. G. Vasavi Dutt, Syed Akhil, Dr. Nimai Mishra, Surface Passivation Strategies for Improving Photoluminescence and Stability of Cesium Lead Halide Perovskite Nanocrystals, *ChemNanoMat* Volume 6, Issue 12 p. 1730-1742
- 43) Pradhan, A.K., False-Positive-Free and Geometric Robust Digital Image Watermarking Method Based on IWT-DCT-SVD, *Lecture Notes in Electrical Engineering*, 2021, 10.1007/978-981-15-5341-7_34
- 44) Bhagath Singh, G.V.P., Subramaniam, K.V.L., Efficient production of alkali-activated geopolymers using low-calcium fly ash, *Indian Concrete Journal*, 2020
- 45) Kasilingam, D., Prabhakaran, S.P.S., Dinesh Kumar, R., Rajagopal, V., Santhosh Kumar, T. Soundararaj, A., Exploring the Growth of COVID-19 Cases using Exponential

- Modelling Across 42 Countries and Predicting Signs of Early Containment using Machine Learning, *Transboundary and Emerging Diseases*, 2020, 10.1111/tbed.13764
- 46) Sankar, V., Cheeran, V., Ganesh, M.R., Sivakumar, B., Synthesis, Antibacterial and Anticancer Activity of 1,2-Substituted 2,3-Dihydro-1H-Benzo [4,5] Imidazo[1,2-c] [1,3,2] Diazaphosphol-1-Oxides, *Pharmaceutical Chemistry Journal*, 2020, 10.1007/s11094-020-02282-z
 - 47) Abhishek Srivastava, Jayaseelan Murugaiyan, Juan A. L. Garcia, Daniele De Corte, Matthias Hoetzing, Murat Eravci, Christoph Weise, Yadhu Kumar, Uwe Roesler, Martin W. Hahn, and Hans-Peter Grossart, Combined Methylome, Transcriptome and Proteome Analyses Document Rapid Acclimatization of a Bacterium to Environmental Changes, *Front. Microbiol.*, 2020, 11, 544786.
 - 48) Deboshree Chatterjee AVS Kamesh, Significance of relationship marketing in banks in terms of customer empowerment and satisfaction, *European Journal of Molecular and Clinical Medicine*, 2020
 - 49) Ibrahim Muhammad, Subramaniyan Mannathan, Manickam Sasidharan, Quaternary ammonium hydroxide-functionalized g-C₃N₄ catalyst for aerobic hydroxylation of arylboronic acids to phenols, *Journal of the Chinese Chemical Society* Volume 67, Issue 8 p. 1470-1476
 - 50) Koushik Bhargav Muthe; Thiru Srinivasa Teja Vemuru; Khushboo Sharma; Nilofer Sultana Mohammad, Decentrant - An Ethereum, Proxy Re-Encryption and IPFS Based Decentralized Internet," 2020 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT), 2020, pp. 1-5
 - 51) Vandana Bhatia; Malay Ranjan Tripathy; Priya Ranjan, Deep Learning for massive MIMO: Challenges and Future prospects, *Proceedings - 2020 IEEE 9th International Conference on Communication Systems and Network Technologies, CSNT 2020*, 2020, 10.1109/CSNT48778.2020.9115783
 - 52) Sandeep Singh Sengar; U. Hariharan; K. Rajkumar, Multimodal Biometric Authentication System using Deep Learning Method, 2020 International Conference on Emerging Smart Computing and Informatics, ESCI 2020, 2020, 10.1109/ESCI48226.2020.9167512
 - 53) Prateek, Brecht in India: The poetics and politics of transcultural theatre, *Brecht in India: The Poetics and Politics of Transcultural Theatre*, 2020, 10.4324/9781003030317
 - 54) Sambasivam S, Chandu Muralee Gopi, Maram Pardha Saradhi, Hammad M. A, Venkatesha. N, and Aleksandr S Kamzin, Investigation of Optical and Magnetic properties of Mn-doped tetragonal ZrO₂ nanocrystals, *J. Solid State Chem*, 2020, 10.1016/j.jssc.2020.121872
 - 55) Vinod Kumar, G. S., Foaming Magnesium alloy and composite using MgCO₃ blowing agent, *Metallurgical and Materials Transaction*, 2020
 - 56) Samadhan Kapse, Shazia, Umesh V Waghmare, Ranjit Thapa, Energy Parameter and Electronic Descriptor for Carbon Based Catalyst Predicted using QM/ML, *Applied Catalysis B: Environmental*, 2020
 - 57) Disna Sahane, Sheela Singh, Mahesh Jadhav, Bharat B. Panigrahi, Isothermal, and non-isothermal sintering characteristics of mechanically alloyed nonequiatomic Fe₂CoCrMnNi high-entropy alloy powder, *Powder Metallurgy*, Volume 64, 2021 - Issue 1

- 58) Mahesh Jadhav, Disna Sahane K S, Amit Verma, Sheela Singh, Thermal stability, and thermal expansion behavior of FeCoCrNi₂Al high entropy alloy, *Advanced Powder Technology*, 2020
- 59) Sudip Mukherjee, Soumyajyoti Biswas, Arnab Chatterjee, Bikas K. Chakrabarti, The Ising universality class of kinetic exchange models of opinion dynamics, *Physica A*, 2020,
- 60) Somdatta Paul, Jenifar Sultana, Nayan Ranjan Saha, Goutam K. Dalapati, Anupam Karmakar, Sanatan Chattopadhyay, Impact of seed layer annealing on the optoelectronic properties of double-step CBD grown n-ZnO nanowires/p-Si heterojunctions, *Optik*, 2020
- 61) Pranathi, T.Y.S.S., Dhuli, S., Aditya, V.M.V.S., Charisma, B. and Jayakrishna, K, A Hybrid Routing Protocol for Robust Wireless Sensor Networks, 12th International Conference on Computational Intelligence and Communication Networks (CICN), 2020, 10.1109/CICN49253.2020.9242627
- 62) VMVS Aditya; Sateeshkrishna Dhuli; P. L. Sashrika; K. K. Shivani; T. Jayanth, Closeness Centrality Based Cluster Head Selection Algorithm for Large Scale WSNs., 12th International Conference on Computational Intelligence and Communication Networks (CICN), 2020
- 63) Dhuli, Sateeshkrishna, Y. N. Singh, and Priya Ranjan, Effect of nearest neighbors on convergence rate of periodic gossip algorithms in WSNs, 9th International Conference on Communication Systems and Network Technologies (CSNT), 2020, 10.1109/CSNT48778.2020.9115739
- 64) Puranjan Mishraa, P. Zularisam Ab Wahida, Ahasanul Karima, Kamal Kishore Pant, Pooja Ghosh, Deepak Kumar, Lakhveer Singh, Chronological perspective on fermentative hydrogen from hypothesis in early 19th century to recent developments: A review, *Biomass Conversion and Biorefinery Journal*, 2020
- 65) B. Ramesh Kumar, Mathimani. T, Sudhakar M.P. Rajendran K. Nizami, A-S, Brindadevi, K. Pugazhendhi A., A state of the review on the cultivation of algae for energy and other valuable products: Application, challenges, and opportunities, *Renewable and Sustainable Energy Reviews*
- 66) Anjana Tripathi, Ranjit Thapa, promoting reactivity of graphene-based catalysts to achieve LH mechanism for CO oxidation, *Catalysis Today*, 2020
- 67) Aditya Japa, Manoj Kumar Majumder, Subhendu K. Sahoo, Ramesh Vaddi, B. K. Kaushik, Hardware Security exploiting post-CMOS Devices: Fundamental device characteristics, State-of-the-Art Countermeasures, Challenges and Roadmap, *IEEE Circuits and Systems Magazine*, 2020
- 68) Kathakali Biswas, Soumyajyoti Biswas, Parongama Sen, Block size dependence of coarse graining in discrete opinion dynamics model: Application to the US presidential elections, *Physica A*, 2020
- 69) Diwakar Tripathi, Venkatanareshbabu Kuppilli and Damodar Reddy Edla, Evolutionary Extreme Learning Machine with Novel Activation Function for Credit Scoring, *Engineering Application of Artificial Intelligence*, 2020, 10.1016/j.engappai.2020.103980
- 70) Motapothula, M. Observation of interacting polaronic gas behavior in Ta-doped TiO₂ thin films via terahertz time-domain spectroscopy, *Applied Physics Letters*, 2020
- 71) Mandal P., Sundaresan A, Effect of Non-magnetic Ion Substitution on the Multiferroic Properties of BiFeO₃, *Journal of electronic Materials*, 2020

- 72) Liao, H. hen, M. Sun, J. Haseena, S. Ravva, M K. Xiao, C. Zhang, L. Wang, Y. Zhengke Lia, Yue W., Novel and Asymmetric S, N-Heterocycles with Fused Six-membered Rings for Organic Field Effect Transistors Application, JMCC, 2020, 10.1039/D0TC04370B
- 73) Mihir Tanay Das, Smita S. Kumar, Pooja Ghosh, Goldy Shah, Sandeep K. Malyan, Somvir Bajarb, Indu ShekharThakur, LakhveerSingh, Remediation strategies for mitigation of phthalate pollution: Challenges and future perspectives, Journal of Hazardous Materials, 2020
- 74) Lenin Babu, D., Sreenivasulu, T. 4-Channel DWDM demultiplexer on silicon photonic crystal slab. Sādhanā 46, 14 (2021)
- 75) Subrata Karmakar, Alka Garg, Mrinmay Sahu, Anjana Tripathi, Goutam Mukherjee, Ranjit Thapa and D. Behera, Pressure-Induced Octahedral Tilting Distortion and Structural Phase Transition in Columbite Structured NiNb_2O_6 , Journal of Applied Physics, 2020
- 76) AvishekDey, Gauthaman Chandra bose, Lois A.O. Dampsey, E.S. Erakulan, Ranjit Thapa, Siarhei Zhuk, Goutam Kumar Dalapati, Seeram Ramakrishna, Nicholas St. J. Braithwaite, Amir Shirzadi, Satheesh Krishnamurthy, $\text{Cu}_2\text{O}/\text{CuO}$ heterojunction catalysts through atmospheric pressure plasma induced defect passivation, 2020
- 77) Tamar Szoke, Nitsan Albocher, Sutharsan Govindarajan, Anat Nussbaum-Shochat, Orna Amster-Choder, Tyrosine phosphorylation-dependent localization of a novel polar protein that controls activity of a sugar regulator by sequestration, Proceedings of National Academy of Sciences, 2020
- 78) Sudarsanam Putla and Lakhveer Singh, Advanced Heterogeneous Catalysts: Applications at the Single-Atom Scale, ACS symposium Series, 2020
- 79) Sudarsanam Putla and Lakhveer Singh, Advanced Heterogeneous Catalysts: Applications at the Nanoscale, ACS symposium Series, 2020
- 80) R. Shwetharani, Samadhan Kapse, Ranjit Thapa, D. H. Nagaraju*, and R. Geetha Balakrishna, Dendritic Ferroselite (FeSe_2) with 2D Carbon Based Nanosheets of rGO and g- C_3N_4 as Efficient Catalysts for Electrochemical Hydrogen Evolution, ACS Applied Energy Materials, 2020
- 81) Mangababu, Ch. Sianglam, B. Chandu, DK Avasthi, S. Venugopal Rao, M. Motapothula and S.V. S. Nageswara Rao, Effects of Initial Grain Size on the formation of HfO_2 Nanostructures by Femtosecond Laser Ablation in Liquids, Journal of Electronic Materials, 2020
- 82) Prakash Jadhav, Vibration technique for monitoring termite induced degradation in trees, Vibroengineering PROCEDIA, 2020, 10.21595/vp.2020.21717
- 83) Prakash Jadhav and Febin Cyriac, Structural damage assessment using a transmissibility based quantitative parameter, Vibroengineering PROCEDIA, 2020, 10.21595/vp.2020.21716
- 84) Suman Avani, Shaila S G and A Vadivel, Geometrical Features of Lips using the Properties of Parabola for Recognizing Facial Expression, Cognitive Neurodynamics, Springer (accepted), 2020, 10.1007/s11571-020-09638-x.
- 85) Priyanka, K Jyothsna Devi and Naushad Varish, Muzzle Pattern based Cattle Identification Using GAN, 10th International Conference on Soft Computing for Problem Solving - SocProS 2020, 2020

- 86) Murali Krishna Enduri, I. Vinod Reddy, and Shivakumar Jolad, Evolution of Physics Sub-fields, 5th International Conference on Complexity, Future Information Systems, and Risk (COMPLEXIS), 2020
- 87) Nikhila Korivi, V. M. Manikandan, Reversible Data Hiding in Encrypted Image using Checkerboard Pattern based Pixel Inversion, 5th International Conference on Computing, Communication and Security (ICCCS-2020), 2020, 10.1109/ICCCS49678.2020.9277147
- 88) Amit Kr Mandal, Yuliy Khlyebnikov, Pietro Ferrara, Agostino Cortesi, and Fausto Spoto, Taint Propagation Across IoT Ecosystem Interfaces, 35th ACM/SIGAPP Symposium on Applied Computing, 2020
- 89) Pranaya Pournamashi Patro and Rajiv Senapati, Advanced Binary-Matrix based Frequent Pattern Mining Algorithm, International Conference on Machine Learning, Internet of Things and Big Data, Springer, 2020
- 90) Rathnamma Gopisetty, Thirumalaisamy Ragunathan, C Shoba Bindu, improving performance of the distributed file system using speculative read algorithm and support-based replacement technique, International Journal of Advanced Research in Engineering and Technology (IJARET), 2020, 10.34218/IJARET.11.9.2020.061
- 91) Sriramulu Bojjagani, B. Ramachandra Reddy, Mulagala Sandhya, Dinesh Reddy Vemula, CybSecMLC: A Comparative Analysis on Cyber Security Intrusion Detection Using Machine Learning Classifiers, Machine Learning and Metaheuristics Algorithms, and Applications (SoMMA'20), 2020
- 92) Rathnamma Gopisetty, Thirumalaisamy Ragunathan, C Shoba Bindu, Improving Performance of the Distributed File System Using Speculative Read Algorithm and Support-Based Replacement Technique, International Journal of Advanced Research in Engineering and Technology, 11(9), 2020, pp. 602-611
- 93) Judith Pöppe, Katrin Bote, Abhinaya Ramesh, Jayaseelan Murugaiyan, Benno Kuropka, Michael Köhl, Paul Johnston, Uwe Roesler, and Olga Makarova, Selection for Resistance to a Glyphosate-Containing Herbicide in *Salmonella enterica* Does Not Result in a Sustained Activation of the Tolerance Response or Increased Cross-Tolerance and Cross-Resistance to Clinically Important Antibiotics, Applied and Environmental Microbiology, 2020, 86, 24, 1204 – 20.
- 94) B. K. Zaied, Mamunur Rashid, Mohd Nasrullah, Bifta Sama Bari, A. W. Zularisam, Lakhveer Singh, Deepak Kumar & Santhana Krishnan, Prediction and optimization of biogas production from POME co-digestion in solar bioreactor using artificial neural network coupled with particle swarm optimization (ANN-PSO), Biomass Conversion and Biorefinery (2020)
- 95) Gülru Bulkan, Jorge A. Ferreira, Karthik Rajendran, Mohammad J. Taherzadeh, Techno-Economic Analysis of Bioethanol Plant By-Product Valorization: Exploring Market Opportunities with Protein-Rich Fungal Biomass Production, Fermentation, 2020
- 96) Indrajit M. Patil, Samadhan Kapse, Haridas Parse, Ranjit Thapa, Gunther Andersson, Bhalchandra Kakade, 2D/3D Heterostructure of h-BN/reduced Graphite Oxide as a Remarkable Electrode Material for Supercapacitor, Journal of Power Sources, 2020
- 97) Mullapudi Jyothirmai, Structure-property-performance inter-relationship of quaternary chalcogenides $\text{CuZn}_2\text{Ga}(\text{S}/\text{Se})_4$: A first principles study, Journal of Electronic Materials, 2020

- 98) Hassan Algadia, b, Chandreswar Mahatac, Sungjun Kimd, Goutam Kumar Dalapatie, Improvement on Photoresponse Properties of Self-Powered ITO/InP Schottky Junction Photodetector by Interfacial ZnO Passivation, *Journal of Electronic Materials*, 2020
- 99) Sheik Haseena and Mahesh Kumar Ravva, Alkoxy Side-chains Effect on Conjugated Polymer and Non-fullerene acceptor Interfaces in Organic Solar Cells, *Journal of Electronic Materials*, 2020
- 100) Priyanka Bamola, Bharti Singh, Aranya Bhoumik, Mohit Sharma, Charu Dwivedi, Mandeep Singh, Goutam K. Dalapati, and Himani Sharma, Mixed-Phase TiO₂ Nanotube-Nanorod Hybrid Arrays for Memory-Based Resistive Switching Devices, *ACS Applied Nano Materials*, 2020
- 101) Yuta Yamaguchi, Soumyajyoti Biswas, Takahiro Hatano, and Lucas Goehring, Failure processes of cemented granular materials, *Phys. Rev. E* 102, 052903
- 102) Suman Avani, Shaila S G and A Vadivel, Interval Graph of Facial Regions with Common Intersection Salient Points for Identifying and Classifying Facial Expression, *Multimedia Tools, and Applications*, 2020
- 103) Sambit Kumar Mishra; Sonali Mishra; Ahmed Alsayat; N Z Jhanjhi; Mamoon Humayun; Kshira Sagar Sahoo, Energy-Aware Task Allocation for Multi-Cloud Networks, *IEEE ACCESS*, 2020
- 104) Syed Akhil, V. G. Vasavi Dutt, Dr. Nimai Mishra, Completely Amine-Free Open-Atmospheric Synthesis of High-Quality Cesium Lead Bromide (CsPbBr₃) Perovskite Nanocrystals, *Chemistry – A European Journal* Volume 26, Issue 71 p. 17195-17202
- 105) Benteng Wu, Richen Lin, Richard; Shea, Chen Deng, Karthik Rajendran, Jerry D. Murphy, Production of advanced fuels through integration of biological, thermochemical and power to gas technologies in a circular cascading bio-based system, *Renewable and Sustainable Energy Reviews*, 2020
- 106) Amit Kr Mandal, Soumya Jyothi Biswas, Parallel Minority Game and its application in movement optimization during an epidemic, *Physica A*, 2020
- 107) Richen Lin, Chen Deng, Karthik Rajendran, Archishman Bose, Xihui Kang, Jerry D Murphy, Competing reactions limit production of sugars in hydrothermal hydrolysis of grass silage: an assessment of the effect of temperature on sugar production and parasitic energy demand, *Frontiers in Energy Research*, section Bioenergy and Biofuels, 2020
- 108) Diwakar Tripathi, Damodar Reddy Edla. Venkatanaresbhabu Kuppili, Dharavath Ramesh, Binary BAT algorithm and RBFN based hybrid credit scoring model, *Multimedia Tools, and Applications* 79(11)
- 109) Mohammed Saeed AlkatheiriAbdur Rashid SangiSatish Anamalamudi, Physical Unclonable Function (PUF)-Based Security in Internet of Things (IoT): Key Challenges and Solutions, *Handbook of Computer Networks and Cyber Security* pp 461-473 |
- 110) Deepak S Gavali, Ranjit Thapa, Synergetic effect of localized and delocalized π electron on Li storage properties of Si/C heterostructures, *Carbon*, 2020
- 111) Vatsal RathodRishvanth KatragaddaSaurabh GhanekarSaurav RajPushyamitra KolliparaI. Anitha RaniA. Vadivel, Smart Surveillance and Real-Time Human Action Recognition Using OpenPose, *Lecture Notes in Electrical Engineering* book series (LNEE, volume 601)
- 112) T. V. Ramesh Reddy, Sanjay Kumar Mehta, Aravindhavel Ananthavel, Saleem Ali, Vanmathi Annamalai & D. Narayana Rao, Seasonal characteristics of sea breeze and

- thermal internal boundary layer over Indian east coast region, *Meteorology and Atmospheric Physics* volume 133, pages 217–232 (2021)
- 113) Sandeep Kumar Yedla; V.M. Manikandan; V. Panchami, Real-time Scene Change Detection with Object Detection for Automated Stock Verification, *ICDCS 2020 - 2020 5th International Conference on Devices, Circuits and Systems*, 2020
 - 114) Jatindra Kumar Dash, Manisha Patro, Snehasish Majhi, Gandham Girish, P. Nancy Anurag, Local Texture Features for Content-Based Image Retrieval of Interstitial Lung Disease Patterns on HRCT Lung Images, *Advances in Intelligent Systems and Computing*, 2020
 - 115) Anitha Rani, I., Vadivel, A., Human Activity Recognition on Multivariate Time Series Data: A Technical Review, *Lecture Notes in Electrical Engineering*, 2020
 - 116) C. Durriga Rao, Enteroviruses in gastrointestinal diseases, *Reviews in Medical Virology*, Rev Med Virol. 2021 Jan;31(1):1-12.
 - 117) Hegde, V., Yellampalli, S.S., Ravikumar, H.M., Correction to: Simulation, mathematical modeling, fabrication, and experimental analysis of piezoelectric acoustic sensor for energy harvesting applications (*Microsystem Technologies*, (2020), 26, 5, (1613-1623),
 - 118) Ghanshyam S. Bopche, Gopal N. Rai, D. R. Denslin Brabin, B. M. Mehtre, A Proximity-Based Measure for Quantifying the Risk of Vulnerabilities, *International Symposium on Security in Computing and Communication*, SSCC 2019: Security in Computing and Communications pp-41
 - 119) Naga Sudheer, B., Bhadru, B.R., Divya Naga Paavani, T., Narayana, V.L., A comparative study on automated testing tools, *Journal of Advanced Research in Dynamical and Control Systems*, 2020.
 - 120) Kishore Kumar, Panchagnula, and Panchagnula Jayaprakash Sharma., Influence of Various Tool Path Patterns on Hardness Used in Weld Deposition-Based Additive Manufacturing, *Advances in Additive Manufacturing and Joining*, 2020
 - 121) Pathak, P, Alternative Energy Resources: The Way to a Sustainable Modern Society, *The Handbook of Environmental Chemistry*, 2020
 - 122) Mathimani, A.E. Atabani, Kathirvel Brindhadevi, Arivalagan Pugazhendhi, Recent developments and strategies in genome engineering and integrated fermentation approaches for biobutanol production from microalgae, *Fuel*, 2020
 - 123) Geetanjali Yadav, Sabarathinam Shanmugam, Ramachandran Sivaramakrishnan, Deepak Kumar, Thangavel Mathimani, Kathirvel Brindhadevi, Arivalagan Pugazhendhi, Karthik Rajendran, Mechanism, and challenges behind algae as a wastewater treatment choice for bioenergy production and beyond, *Fuel*, 2020
 - 124) Maiyelvaganan K.R, Mahesh Kumar Ravva, Muthuramalingam Prakash, Venkatesan Subramanian, Benchmark studies on protonated benzene (BZH+) and water (W_n, n = 1–6) clusters: a comparison of hybrid DFT with MP2/CBS and CCSD(T)/CBS methods, *Theoretical Chemistry Accounts* 139
 - 125) Iyad Nasrallah, Mahesh Kumar Ravva, Katharina Broch, Jiri Novak, John Armitage, Guillaume Schweicher, Aditya Sadhanala, John E. Anthony, Jean-Luc Bredas, Henning Sirringhaus, A Novel Mitigation Mechanism for Photo-Induced Trapping in an Anthradithiophene Derivative Using Additives, *Advanced Electronic Materials* Volume 6, Issue 9 2000250

- 126) Kaumeel Chokshi, Imran Pancha, Khanjan Trivedi, Rahulkumar Maurya, Arup Ghosh, Sandhya Mishra, Physiological responses of the green microalga *Acutodesmus dimorphus* to temperature induced oxidative stress conditions, *Physiol Plant*. 2020 Dec;170(4):462-473. doi: 10.1111/ppl.13193. Epub 2020 Sep 9.
- 127) Manikandan Vazhora Malayil, Masilamani Vedhanayagam, A novel image scaling based reversible watermarking scheme for secure medical image transmission, *ISA Transactions*, Volume 108, February 2021, Pages 269-281
- 128) Lakhveer Singh, Durga Madhab Mahapatra, Adapting 2D Nanomaterials for Advanced Applications, Volume 1353, 2020
- 129) Pranab Mandal and A Sunderesan, Dielectric Relaxation Mechanism in the High-pressure Synthesized $\text{BiCr}_{0.5}\text{Mn}_{0.5}\text{O}_3$, *Journal of electronic materials*, 50, pages1615–1620 (2021).
- 130) K Hemant Kumar Reddy, Ashish K Luhach, Buddhadeb Pradhan, Jatindra Kumar Dash, Diptendu Sinha Roy, A Genetic Algorithm for Energy Efficient Fog Layer Resource Management in Context Aware Smart Cities, *Sustainable Cities and Society*, 2020
- 131) Nilanjon Naskar, Martin F. Schneidereit, Florian Huber, Sabyasachi Chakraborty, Lothar Veith, Markus Mezger, Lutz Kirste, Theo Fuchs, Thomas Diemant, Tanja Weil, R. Jürgen Behm, Klaus Thonke and Ferdinand Scholz, Impact of Surface Chemistry and Doping Concentrations on Biofunctionalization of GaN/Ga-In-N Quantum Wells, *Sensors*, 2020
- 132) Soumyajyoti Biswas, David F. Castellanos and Michael Zaiser, Prediction of creep failure time using machine learning, *Scientific Reports*, 2020
- 133) Anuj Deshpande, Sibendu Samanta, Sutharsan Govindarajan, Ritwik Kumar Layek, A Multi-Bit Boolean Model for Chemotactic Drift of *Escherichia coli*, *IET Systems Biology*, 2020
- 134) Malvika Satish, Sharon Santhosh, Apurv Yadav, Asha Madhavan, Asha Madhavan, Optimization and Thermal Analysis of Fe_2O_3 Nanoparticles Embedded Myristic Acid-Lauric Acid Phase Change Material, *Journal of electronic materials*, 2020
- 135) Tousif Khan Nizami and Arghya Chakravarty, Laguerre Neural Network Driven Adaptive Control of DC-DC Step Down Converter, *IFAC-PapersOnLine*, Elsevier, 2020
- 136) Tousif Khan Nizami and Arghya Chakravarty, Neural Network Integrated Adaptive Backstepping Control of DC-DC Boost Converter, *IFAC-PapersOnLine*, Elsevier, 2020
- 137) Aditya Japa, Manoj Kumar Majumder, Subhendu K. Sahoo, Ramesh Vaddi, Low area overhead DPA countermeasure exploiting tunnel transistor-based random number generator, *IET Circuits, Devices & Systems* Volume 14, Issue 5 p. 640-647
- 138) Sudha Vani Yamani, N Usha Rani, Ramesh Vaddi, A 128Kb RAM Design with Capacitor-Based Offset Compensation and DoubleDiode based Read Assist Circuits at Low VDD, *Journal of Scientific & Industrial Research*, Vol. 79, September 2020, pp. 788-793.
- 139) Mehta, Ranjana, Saha, Joydip, Sengupta, Indranath, Numerical Semigroups generated by Airthmetic Sequences, *Journal of Algebra, and Its Applications*, 2020
- 140) Karan Chabhadiya, R.R. Srivastava, Pankaj Pathak, Growth projections against set-target of renewable energy and resultant impact on emissions reduction in India, *Environmental Engg. Res.*, 2020.
- 141) Sriramulu Bojjagani, D.R. Denslin Brabin, P.V. Venkateswara Rao, PhishPreventer: A Secure Authentication Protocol for Prevention of Phishing Attacks in Mobile

-
- Environment with Formal Verification, *Procedia Computer Science*, 2020, Volume 171, 2020, Pages 1110-1119.
- 142) Luo, Yige, Liping Yao, Wen Gu, Chengyi Xiao, Hailiang Liao, Mahesh Kumar Ravva, Yanfei Wang, Effect of Halogenated Substituent on the Properties of Aza-Octacenes, *Organic Electronics*, 2020
 - 143) Siarhei Zhuk, Terence Kin Shun Wong, Miloš Petrović, Emmanuel Kymakis, Shreyash Sudhakar Hadke, Stener Lie, Lydia Helena Wong, Prashant Sonar, Avishek Dey, Satheesh Krishnamurthy, Goutam Kumar Dalapati, Solution Processed Pure Sulfide CZCTS Solar Cells with Efficiency 10.8% using Ultra-thin CuO Intermediate Layer, *Solar RRL*, 2020
 - 144) L.N. Patro, Role of mechanical milling on the synthesis and ionic transport properties of fast fluoride ion conducting materials, *Journal of Solid-State Electrochemistry* volume 24, pages2219–2232 (2020)
 - 145) Shailendra Kumar, Vinayak Kulkarni, Satya Pramod Jammy, Aerothermodynamic Assessment of Spiked Configuration for Drag Reduction at Hypersonic Speeds, *Journal of Aerospace Engineering/ Volume 33 Issue 6 - November 2020*
 - 146) Deepak Davis, Sheela Singh, R. P. S. Chakradhar, Meenu Srivastava, Tribo–Mechanical Properties of HVOF-Sprayed NiMoAl-Cr₂AlC Composite Coatings, *Journal of Thermal Spray Technology*, volume 29, pages1763–1783 (2020).
 - 147) Kishore Kumar Panchagnula, Jayaprakash Sharma Panchagnula, Fabrication of hoop-wound glass fiber reinforced plastic cylindrical shells using filament winding machine, *Materials Today: Proceedings*, Volume 27, Part 2, 2020, Pages 1315-1318
 - 148) Om Jee Pandey, Ved Gautam, Saket Jha, Mahendra K. Shukla, Rajesh M. Hegde Indian Institute of Technology Kanpur, Kanpur, India "Time Synchronized Node Localization, Using Optimal H-Node Allocation in a Small World WSN," in *IEEE Communications Letters*, vol. 24, no. 11, pp. 2579-2583, Nov. 2020, doi: 10.1109/LCOMM.2020.3008086.
 - 149) Mahendra K. Shukla, Ha H. Nguyen, Om Jee Pandey, Multiuser Full-Duplex IoT Networks with Wireless-Powered Relaying: Performance Analysis and Energy Efficiency Optimization, *IEEE, Transactions on Green Communications and Networking*, 2020, 10.1504/IJCND.2019.098870
 - 150) Sudip Mukherjee, Soumyajyoti Biswas, Parongama Sen, Long route to consensus: Two stage coarsening in a binary choice voting model, *Phys. Rev E*, 102, 012316
 - 151) Ibrahim Muhammad, Subramaniyan Mannathan, Manickam Sasidharan, Quaternary ammonium hydroxide-functionalized g-C₃N₄ catalyst for aerobic hydroxylation of arylboronic acids to phenols, *Journal of the Chinese Chemical Society*, Volume 67, Issue 8 p. 1470-1476,
 - 152) Soumyajyoti Biswas and Bikas K. Chakrabarti, Flory-like statistics of fracture in the fiber bundle model as obtained via Kolmogorov dispersion for turbulence: A conjecture, *Phys. Rev. E* 102, 012113
 - 153) V. Kannan & Pabitra Narayan Mandal (2020) Which orbit types of force only finitely many orbit types? *Journal of Difference Equations and Applications*, 26:5, 676-692

Conference presentations:

1. Sujith Kalluri, Assistant Professor, Department of Electronics and Communication Engineering, Fe₂O₃ based Nanocomposites for Enhanced Thermal Energy Storage, 2020 IEEE 15th International Conference on Industrial and Information Systems (ICIIS) (2020), IIT Ropar, Rupnagar, India. October 26, 2020. (Electronic ISBN:978-1-7281-8524-8, Print on Demand (PoD) ISBN:978-1-7281-8525-5)
2. Prakash Jadhav, Passive morphing in aerospace composites, international conference on composites materials and material engineering, Thailand, Jan 2021
3. Prakash Jadhav, Gruhlakshmi Yella, Design of hybrid interface joint in composite fan blade, international conference on trends in material science and inventive materials, March 2021
4. Prakash Jadhav, Failure criteria for composite blades, international conference on future trends in materials and mechanical engineering, Nov 2020
5. Raja M, Suchet B Thapa, Satya, P Jammy. Open SBLIFVM: An automatic code generation framework for Finite volume methods on CPU's and GPU's. "Proceedings of the 8th International and 47th National Conference on Fluid Mechanics and Fluid Power (FMFP) December 9-11, 2020, IIT Guwahati, Assam, India."
6. G Kalyan Deepak, Sujana B Thapa, Raja M, Satya, P Jammy. 'Performance of various shock capturing schemes on CPU's and GPU's'. "Proceedings of the 8th International and 47th National Conference on Fluid Mechanics and Fluid Power (FMFP) December 9-11, 2020, IIT Guwahati, Assam, India."
7. A.N. Murthy, Int.con. on Recent Development in Sustainable Infra structure, 19th Dec 2020, KIIT, Bhubaneswar.
8. Sabyasachi Mukhopadhyay, Assistant Professor, Department of Physics, participated and gave a talk titled "Biomolecules as Optoelectronics Materials", in the e-Conference on Advanced Functional Materials and Optoelectronic Devices organized by Centre for Renewable Energy Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study and Research, VBS Purvanchal University, Jaunpur during July 13 - 15, 2020.
9. Jatis Kumar Dash, Assistant Professor, Department of Physics, participated in the Workshop on Special Techniques in Electron Microscopy for Materials Science Applications organised by CSIR-IMMT, Bhubaneswar, India during November 6-7, 2020.
10. Jatis Kumar Dash, Assistant Professor, Department of Physics, participated and gave two talks in the Workshop on Advanced Materials for Power Electronics Circuits organised by BMSCE, Bangalore, India during March 1-5, 2021.
11. Tapan Kumar Hota: Effect of dispersion and viscosity profiles on miscible displacements in porous media, 1st online conference on recent Advances in Computational and experimental mechanics, IIT Kharagpur, 4-6 September 2020, ICRACME/2020/FM-20-026, Page 279.
12. Sutharsan Govindarajan, Assistant Professor, Department of Biological sciences, participated as a resource person in the Refresher Course in Recent Trends in Life sciences, organized by the UGC-Human Resource Development Centre, Madurai Kamaraj University from between 09.12.2020 to 22.12.2020. He presented a virtual talk on the topic 'CRISPR-Cas - From basic biology to a genome engineering technology'
13. Murugaiyan. J., Proteomics application in rapid species identification of microorganisms (Keynote talk), National Seminar on Recent Advances in Agriculture and Biomedical Research (RAABR-2020), 06th and 07th March 2020, Acharya Nagarjuna University, Guntur, AP, India, page 12

14. Prabakaran Ganesan, Karthik Rajendran. Dynamic simulation and optimization of anaerobic digestion process using MATLAB. 5th International Conference on Bioenergy, Environment and Sustainable Technologies (BEST2021) 29&30 January 2021, Tiruvannamalai, Tamil Nadu.
15. Sarath C. Gowd, Karthik Rajendran. Which nutrient recovery system is efficient from a material and energy balance point of view? 5th International Conference on Bioenergy, Environment and Sustainable Technologies (BEST2021) 29&30 January 2021, Tiruvannamalai, Tamil Nadu.
16. Govani, J., Gupta, A., Pathak, P. Energy Recovery Potential of Non-Recyclable Plastics from Municipal Waste Dumpsite in Refused Derived Fuel, National Conference on Plastics in The Environment: Rethinking the Future of Plastics, March 2020, Bhuj, Gujarat.
17. Rajni Assistant Professor, Department of English, -presented a paper on Disability Studies in an E-course 'Insidious Violence and Women with Disabilities', organized by SMRC, Bhubaneswar, 22.02 to 2.03.2021
18. Malavika Binny, National Webinar on Gender and Communal Harmony, All India Women's Conference in collaboration with All Saints College, Thiruvananthapuram, 15.03.2021.
19. Malavika Binny, 'Towards New Terrains; Contexts, Content and Contestations of the Past, National Webinar on History, Mar Thoma College for Women, Perumbavoor, 23.01. 2021
20. Malavika Binny, 'Kannagi to Pattini to Amman; The Composite Lineages of Puranic Hinduism', Golden Jubilee Celebration Conference, St. Teresa's College, Ernakulam, 26.11.2020
21. Malavika Binny, An Intersectional Reading of the NEP, 5 Day Faculty Enrichment Programme on NEP, Little Flower College, Guruvayoor, Kerala. 13.11.2020

Books Published:

1. Pathak, P., Srivastava, R.R. 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.
2. Lakhveer Singh* (Corresponding editor) and Durga Mahapatra (2020), Adapting 2D Nanomaterials for Interdisciplinary Applications. Publisher American Chemical Society (ACS). ISBN 978-0-8412-9892-7.
3. Putla Sudarsanam, Lakhveer Singh (2020), Title: Advanced Hetrogeneous Catalysts: Application at the nano scale. Publisher American Chemical Society (ACS). ISBN 9780841298804.
4. Putla Sudarsanam, Lakhveer Singh (2020), Title: Advanced Hetrogeneous Catalysts: Application at the single-atom scale (2020). Publisher American Chemical Society (ACS). ISBN 9780841298781.
5. Lakhveer Singh (Corresponding editor) & Abu Yousuf, Durga Mahapatra (2020). "Bioreactors: Sustainable design and industrial applications in mitigation of GHG emissions." Publisher Elsevier. ISBN: 9780128212646.
6. Lakhveer Singh (Corresponding editor), Durga Mahapatra and Sveta Thakur (2021): Bioremediation and Nutrients and other valuable product recovery: Using Bio-electrochemical systems. Publisher Elsevier. ISBN: 9780128217290.
7. Lakhveer Singh (Corresponding editor) and Durga Mahapatra (2021): Delivering low-carbon Biofuels with Bioproduct Recovery Using Bio-electrochemical systems. Publisher Elsevier. ISBN: 9780128217291.

Book Chapters:

1. Prakash Jadhav, Failure criteria for composite blades with wavy edge in aerospace applications, Advanced in materials and mechanical engineering, Springer Book Chapter 2021.
2. V. Kannan, Chapter I – Real Dynamics, pages 1 to 54 in the book “Elements of Dynamical Systems”, Texts and Readings in Mathematics 79 (Ed. By Riddhi shah, Anima Nagar and Shridharan) (2020) 236 pages, Hindustan Publishers,
3. Murugaiyan. V., Zeibig. F., Anumalla. M., Siddiq. S.A., Frei. M., Murugaiyan. J., and Ali. J., (2021), “Arsenic stress responses and accumulation in rice”. In. Rice improvement-physiological, molecular breeding and genetic perspectives, Editors: Ali. J and Wani. S.H., Springer International Publishing. eBook ISBN 978-3-030-66530-2. DOI: 10.1007/978-3-030-66530-2.
4. Tharun K. Bollu, Divya S. Parimi, Chandra S. Bhatt, Imran Uddin, and Anil K. Suresh* Implementation of diverse nano-cargos to disguise and fight multi-drug resistance Springer Nature 2021.
5. Divya S. Parimi, Tarun K. Bollu, Chandra S. Bhatt and Anil K. Suresh* Silver nanoparticles as potent multi-drug resistant in-corporants in biomedicine. Imran Uddin, Springer Nature 2021.
6. 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.
7. 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 Upgrade. 447–466.
8. 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, eBook ISBN 9781003007579.
9. Pathak, P., Chabhadiya, K. 2021. 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. <https://doi.org/10.1007/978-981-15-7525-974-1>.
10. Pathak, P., Bhattacharya, D. 2020. Phytoextraction of heavy metals by weeds: Physiological and molecular intervention, Handbook of Bioremediation: Physiological, Molecular and Biotechnological Interventions, Elsevier, <https://doi.org/10.1016/B978-0-12-819382-2.00004-1>.
11. Pathak, P. 2020. Renewable energy as a sustainable alternative: A way forward, Alternative Energy Resources - The Way to a Sustainable Modern Society, The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg.
12. Pujara, Y., Govani, J., Patel, H.T., Chabhadiya, K., Vaishnav, K., Pathak*, P. 2020. Waste-to-energy: Suitable approaches for developing countries, Alternative Energy Resources - The Way to a Sustainable Modern Society, The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg

13. Govani, J., Patel, H., Pujara, Y., Chabhadiya, K., Pathak*, P. 2020. Technological Upgradation and Advancement for Treatment of Plastic Waste in Developing Countries. In: Hussain C. (eds) Handbook of Environmental Materials Management. Springer, Cham, ISBN 978-3-319-58538-3.
14. Thapa, Bhim Sen, Sang-Eun Oh, Shaik Gouse Peera, and Lakhveer Singh. "Fundamentals of bioelectroactive fuel cells." In Book: Bioremediation, Nutrients, and Other Valuable Product Recovery: Using Bioelectrochemical Systems. pp. 1-23. Elsevier, 2021.
15. Thapa, Bhim Sen, Sang-Eun Oh, Shaik Gouse Peera, and Lakhveer Singh. "Applications of bioelectroactive fuel cells in wastewater treatment, metal removal and recovery." In Book: Bioremediation, Nutrients, and Other Valuable Product Recovery: Using Bioelectrochemical Systems., pp. 25-39. Elsevier, 2021
16. Malyan, Sandeep K., Smita S. Kumar, Lakhveer Singh, Rajesh Singh, Dipak Ashok Jadhav, and Vivek Kumar. "Bioelectrochemical systems for removal and recovery of heavy metals." In Book: Bioremediation, Nutrients, and Other Valuable Product Recovery: Using Bioelectrochemical Systems., pp. 185-203. Elsevier, 2021.
17. Siddiqui, Muhammad Faisal, Zahid Ullah, Lakhveer Singh, Farhana Maqbool, Sadia Qayyum, Ihsan Ullah, Ziaur Rahman, and Fazal Adnan. "Role of bioelectrochemical systems for bioremediation of wastewaters and bioenergy production." In Book: Delivering Low-Carbon Biofuels with Bioproduct Recovery: Using Bioelectrochemical Systems., pp. 85-100. Elsevier, 2021.
18. Krishnan, Santhana, Abudukeremu Kadier, Mohd Fadhil Bin MD Din, Mohd Nasrullah, Nurul Nazleatul Najiha, Shazwin Mat Taib, Zularisam Ab, Lakhveer Singh. "Application of bioelectrochemical systems in wastewater treatment and hydrogen production." In Book: Delivering Low-Carbon Biofuels with Bioproduct Recovery: Using Bioelectrochemical Systems., pp. 31-44. Elsevier, 2021.
19. Birthal, P S and Pandey, G (2020). 'Structural Transformation and Sources of Growth in South Asian Agriculture' in Mishra, A K; Kumar, A and Joshi, P. K (eds): Transforming Agriculture in South Asia: The Role of Value Chains, Routledge Taylor, and Francis Publication. DOI: 10.4324/9781003024996-5
20. Gumber, M. and Sharma, A. and Joseph, S.D (2020). Embarrassment in the Context of Negative Emotions and Its Effects on Information Processing. In: Mohanty S.N. (eds) Emotion and Information Processing. Springe NATURE. https://doi.org/10.1007/978-3-030-48849-9_8

Patents:

1. Prakash Jadhav, Design, and manufacturing of abradable coating for gas turbines, published in India, Indian Patent Application No. 202041036008, 2020
2. Prakash Jadhav, Design of hybrid composite joint in fan blade and method of manufacturing- published in India, Indian Patent Application No. 202041049927, 2020
3. G. S. Vinod Kumar and S. Sasikumar, Closed Cell Aluminium foam product formed from molten metal with Zirconium Boride as stabilizing agent' Indian Patent Application No. 202041049984. Published on 11.11 2020
4. Deepak Davis & Sheela Singh, Nickel Molybdenum Aluminium (NiMoAl) – Chromium Aluminium Carbide (Cr₂AlC) MAX Phase composite coatings for automotive applications and a method for making the same. Indian Patent Application No. 202041049984: 202141017480
5. Sabyasachi Mukhopadhyay, Poly Dimethyl Siloxane (PDMS) microchannel based nanoscale devices that effectively measure electron transport at single layer of molecules and a method for manufacture of the same, Indian Patent Application No.: 202141017530
6. Sabyasachi Mukhopadhyay, A fibre material with moisture retention capacity with thermal tolerance and a method for manufacture, Indian Patent Application No.: 202141023375
7. Anil K Suresh, Chandra S Bhatt, Tharun K. Bollu, Divya S. Parimi, Self-synthesis, and assemblage of nanoparticles onto intact eggshell framework: An ultra-efficient mega catalyst Indian Patent 03.02.2021

Contributed Talks and Poster Presentations

Sl. No	Faculty Member Name	Name of the Conferences / Seminars / Workshops / Events	Dates
1	Dr. Shuvendu Rana	Cloud computing and applications by Mr Somesh K Prajapati, Senior Site Reliability Engineer in WorkSpan, Bangalore	24.10.2020
2	Dr. Manjula R	Inspiring Innovation at SRM University with IEEE Research by Dr Dhanukumar Pattanashetti, Senior IEEE Client Services Manager IEEE India Operations Center, Bangalore	01.07.2020
3	Dr. Manjula R	Baby steps towards Quantum Computing by Dr Sridharan R, Senior Director and HoD, CDAC, Bangalore	03.12.2020
4	Dr. Manjula R	Nanonetworking in the Terahertz Band (and beyond): From Nanomaterials to Macrosystems by Dr. Josep M. Jornet. Associate Professor in the Department of Electrical and Computer Engineering, the Director of the Ultrabroadband Nanonetworking Laboratory and a member of the Institute for the Wireless Internet of Things and the SMART Center at Northeastern University, in Boston, MA.	20.02.2021

5	Dr. Sandeep Singh Sengar	Delivered an expert talk in a FDP titled Applications on Machine Learning and Deep Learning at Raj Kumar Goel Institute of Technology, Ghaziabad, UP.	24.06.2020 to 28.06.2020
6	Dr. Sandeep Singh Sengar	Delivered an International Webinar on Robot Intelligence Technology & Applications (iRobot-2020)	18.06.2020 to 20.06.2020
7	Dr. Sandeep Singh Sengar	Delivered expert talks on "Digital Image/Video Processing and its Applications" at Institute of Information Technology and Management, Janakpuri, New Delhi.	10.06.2020
8	Dr. Dinesh Reddy Vemula	Delivered expert talk on introduction to Next-generation Cloud Computing, Evolution of Datacenter Design, Virtualization of Data Centers, as part of TEQIP-III sponsored Workshop on "Cloud Computing and Its Applications" at Compucom Institute of Technology & Management, Jaipur, Rajasthan	14.09.2020 to 20.09.2020
9	Dr. Dinesh Reddy Vemula	Delivered expert talk on "Energy-efficient cloud computing using Artificial Intelligence" as part of National level Faculty Development Program on "Artificial intelligence applications through machine learning"	14.07.2020 to 17.07.2020
10	Dr. Manikandan V. M.	One Technical session handled on Digital image forgery detection as part of the ATAL sponsored FDP on Cyber Security and Digital Forensics at Indian Institute of Information Technology Kottayam, Kerala.	03.12.2020
11	Dr. Prakash Jadhav	FDP - Morphing capabilities of composite fan blades - MLR Institute of Technology	10.09.2020
12	Dr. Prakash Jadhav	FDP- Failure criteria in composite blades- MLR Institute of Technology	14.12.2020
13	Dr. Prakash Jadhav	FDP - Lightweight insert inside the composite fan blade - MLR Institute of Technology	11.11.2020
14	Dr. Prakash Jadhav	FDP- Composite compressor blade capability- MLR Institute of technology	14.12.2020
15	Dr. Janardhan V	FDP on Robotics and Embedded Systems funded by ATAL academy (AICTE) Gujarat Technological University, Ahmedabad.	28.10.2020
16	Dr. Janardhan V	Online GUJCOST & DST sponsored workshop on Recent Trends in Robotics, Silver Oak University, Ahmedabad	04.12.2020
17	Dr. Janardhan V	Online Faculty Development Program on Robotics in Automation Applications sponsored by AICTE Training and Learning (ATAL) Academy, Dhanekula Institute of Engineering & Technology, Vijayawada	6.01.2021 and 07.01.2021

18	Dr. Janardhan V	Invited lecture on Bio Inspired Robot, Rama Krishna Engineering College, Coimbatore	13.02.2021
19	Dr. Jatis Kumar Dash	Invited Expert Speaker in the <i>Workshop on Advanced Materials for Power Electronics Circuits</i> Sponsored by the Centre of Excellence in Advanced Materials Research (TEQIP-1.2.1) BMSCE, Bangaluru	01.03.201 and 02.03.2021
20	Dr. L. N. Patro	Resource Person, Beyond Li ion Batteries, National Webinar on Advanced Functional Materials for Technological Applications, N. C. Autonomous College, Jajpur, Odisha,	01.07.2020
21	Dr. L. N. Patro	(Expert lecture) Beyond Li Ion Batteries, One-week short term Training Program on Recent Progress in Materials Science and Engineering. Sponsored by TEQIP, Jabalpur Engineering College, India	24.08.2020 to 28.08.2020
22	Dr. L. N. Patro	(Invited talk) Impedance Spectroscopy: Fundamentals and Applications, One day webinar on energy materials, devices and characterizations, Nanotechnology Research Center, SRM IST, Chennai, India,	09.01.2021
23	Dr. G. V. P. Bhagath Singh	Delivered a talk on “Efficient Production of Alkali-activated Geopolymers using Low-calcium Fly ash” as a part of AICTE Faculty development program. University Departments, Rajasthan Technical University	07.12.2020 to 09.12.2020
24	Dr. Sabyasachi Mukhopadhyay	Invited talk at e-Conference on Advanced Functional Materials and Optoelectronic Devices. Centre for Renewable Energy Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study and Research, VBS Purvanchal University, Jaunpur	13.07.2020 to 15.07.2020.
25	Dr. Malavika Binny	Women in Cinema; Through the 80s in Malayalam Movies, Kural, Ambedkar Study Circle, Webinar on Women’s Day	08.03.2021
26	Dr. Malavika Binny	Panel Speaker as a motivational talk to students on Opportunities in Higher Education in the Social Sciences Aluva, Phoenix Charitable Trust	12.02.2021
27	Dr. Malavika Binny	Panel Speaker on Work, Women, and the Pandemic, SRM University	08.03.2021
28	Dr. Malavika Binny	Speaker on ‘Gender Relations through the Ages’ for ‘Samashti’ cultural organization of KSEB Officers	25.02.2021
29	Dr. Malavika Binny	‘A Survey of Intersectional Feminism’, FKSSP	05.03.2021
30	Dr. Ghanshyam Pandey	Special lecture on “Global Career Prospect of Studying Economics” in a webinar, Department of Economics, Rabindra University, Bangladesh.	08.07.2020
31	Dr. Ram Kulesh Thakur	Invited Resource Person at Guru Nanak College, Dhanbad, Jharkhand. Delivered a Lecture on ‘Decoding Poetry’, 02 Sessions of 01 Hour Each.	14.06.2020

32	Dr. Ram Kulesh Thakur	Invited Resource Person at Immaculate College for Women, Viriyur, Tamil Nadu. Delivered a lecture on "21st Century Teaching and the Global Scale of English", 01 Session of 90 Minutes.	01.06.2020
33	Ms. Ayesha Parveen Haroon	Guest talk on Stereotyping, Prejudice and Discrimination organized by Counselling Chennai.	16.06.2020
34	Dr. Salome Divya Joseph	Guest Lecture on Professional Etiquette and Ethics for Psychologists organized by University of Madras	04.12.2020
35	Dr. Salome Divya Joseph	Workshop on Emotional Intelligence organized by RUSA (by MHRD) and University of Madras	19.12.2020
36	Dr. Salome Divya Joseph	Guest Lecture on Emotional Intelligence organized by PERI Institute of Arts and Science, Chennai	16.03. 2021
37	Dr Mahesh Kumar Ravva	Guest Lecture on Computational Chemistry, KBN College, Vijayawada,	02.01.2021
38	Dr. S. Mannathan	International Virtual Conference on Recent Advance in Organic Medicinal and Biological Chemistry- RAOMBC-202, VIT Vellore,	08.07. 2020
39	Dr. Sutharsan Govindarajan	Refresher Course in Recent Trends in Life sciences, organized by the UGC-Human Resource Development Centre, Madurai Kamaraj University	09.12.2020 to 22.12.2020
40	Dr. Ghanshyam Pandey	Economics Career in Modern time" in a webinar, Department of Data Science, Christ University (Deemed to be University), Lasava, Pune, India.	03.08.2020
41	Dr. Ghanshyam Pandey	Special lecture on "Global Career Prospect of Studying Economics" in a webinar, Department of Economics, Rabindra University, Bangladesh.	08.07. 2020
42	Dr. Karthik Rajendran	Delivered a lecture at TEQUIP-III, Indian Institute of Technology, Indore as a part of Online course on "Systems Analysis of Biofuels and Bioproducts ".	07.12.2020 to 18.12.2020
43	Dr. Karthik Rajendran	Delivered an invited lecture for FDP on "Translating Biofuels: Need for laboratories to look beyond", organized by Veltech Hightech Engineering College, Chennai.	28.05.2020 to 30.05.2020
44	Dr. Karthik Rajendran	Delivered an invited lecture for FDP on "Frontiers in Biotechnology", organized by St. Joseph's college of engineering, Chennai.	03.07.2020 to 07.07.2020
45	Dr. Karthik Rajendran	Delivered an invited talk at Central University of Tamil Nadu, Thiruvavur as a part of FDP titled "Climate Change ".	12.10.2020 to 16.10.2020
46	Dr. Karthik Rajendran	Delivered a lecture at Centre for Environment, IST, JNTUH, Hyderabad as a part of webinar on "Waste to Energy ".	19.09.2020 to 21.09.2020
47	Dr. B. Lokeshgupta	Demand side management in smart grid environment, Vasireddy Venkatadri Institute of technology, Nambur, Guntur (DT).	07.11.2020
48	Dr. Tousif Khan N	Recent trends in power electronics for grid integration of renewable energy systems, Vasireddy Venkatadri Institute of Technology (VVIT), Numburu, Andhra Pradesh	10.12.2020

49	Dr. Tousif Khan N	Nonlinear control strategies for power converters with nonlinear loads, The Oxford College of Engineering, Bangalore, Karnataka	07.08.2020
50	Dr. Tarkeshwar Mahto	Leadership development, Ranchi University, Ranchi	04.12.2020
51	Prof. Jayaseelan Murugaiyan	Shri Dharmasthala Manjunatheshwara University, Dharwad, Karnataka, "Application of Proteomics in Anti-microbial Resistance Research" (online-zoom platform)	29.06.2020
52	Prof. Jayaseelan Murugaiyan	Sona College of Arts and Science, Salem, TamilNadu, "Proteomics based rapid species identification of microorganisms". (Online-zoom platform)	26.06.2020

Awards and Honours

Sl. No	Faculty Member Name	Name of the Award / Honor
1	Dr. Manikandan V. M.	Best Paper Award in Conference on Information and Communication Technology (CICT) organized Indian Institute of Information Technology Design and Manufacturing Kancheepuram, Chennai, India during 3-5 December 2020.
2	Dr. Tousif Khan	Joint Secretary, Automatic Control and Dynamical Optimization Society (ACDOS) - 2000
3	Dr. Tousif Khan	APJ Abdul Kalam Memorial International Travel Award - 2000
4	Dr. Satya Pramod Jammy	Received a letter of appreciation from Dr. Gary Coleman, Scientist NASA
5	Dr. Rajni	Certificate of merit for presentation on Disability Studies in an E-course 'Insidious Violence and Women with Disabilities', organized by SMRC, Bhubaneswar, 22nd February to 2nd March 2021
6	Dr. Subhavana K L	Research Excellence Award, Indian Institute of Technology, Hyderabad
7	Dr. Lakhveer Singh	Best Book of all time award by CNN and Forbes

Workshops / FDPs conducted

Sl. No	Faculty Member Name	Details	Dates
1	Dr. Manikandan V.M and Dr. Sobin C C	A 5-days Faculty Development Programme on "Recent Advancements in Artificial Intelligence and Machine Learning"	02.11.2020 to 06.11.2020
2	Dr. Sandeep Singh Sengar	A 2-days workshop on Deep Learning-based Computer Vision and its Applications.	19.06.2020 to 20.06.2020
3	Dr. Ashok Kumar Pradhan and Dr. Priyanka	Real World Applications and Challenges in Internet of Things (IoT) and Blockchain Technology	18.01.2021 to 22.01.2021

Fellowships of Academia and membership in Professional Bodies

Sl. No	Faculty name	Awards / Professional society name
1	Prof. D. Narayana Rao	FNA FNASc
2	Prof. Jayaseelan Murugaiyan	ISHAM Medical Phycology: Protothecosis and Chlorellosis Working Group (ISHAM-MPWG) member
3	Prof. Radha Guha	Member, IEEE IEEE SIGHT Lifetime member of IETE
4	Dr. Murali Krishna Enduri	Member, IEEE IEEE Computer Society
5	Dr. Priyanka	Member, IEEE IEEE Young Professionals IEEE Signal Processing Society Membership
6	Dr. Manikandan V M	Member, IEEE Associate Member of The Institute of Engineers (India)
7	Dr. Jaya Lakshmi T	Member, IEEE ACM CSI
8	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
9	Dr. Manjula R	Women in Engineering, Young Professionals, IEEE Sensors Council, Big Data Community, IEEE, Internet of Things Community, IEEE, IEEE SIGHT, IEEE Computer Society Technical Committee on Security and Privacy Networking Networking Women
10	Dr. Shuvendu Rana	IEEE, IEEE Computer Society since 2015
11	Dr. Ramachandra Reddy B	ACM
12	Dr. Ashu Abdul	IEEE, IEEE Computer Society IETE Lifetime member
13	Dr. Saleti Sumalatha	Member of Indian Society for Technical Education
14	Dr. Dinesh Reddy Vemula	Member of International Association of Engineers Professional member of Institute for Engineering Research and Publication Member, IRC Scientific and Technical Committee & Editorial Review Board
15	Dr. Sriramulu Bojjagani	IEEE, IEEE Young Professionals, Networking, Communication

16	Dr. Sambit Kumar Mishra	IEEE, IEEE Young Professionals, Scalable Computing, IEEE Computer Society Technical Committee
17		IETE Associate Member (Life Member)- AM 501353, InSc Member
18	Dr Shubham Gupta	IEEE, IEEE Computer Society
19	Dr Morampudi Mahesh Kumar	CSI, Life member of ISTE
20	Dr. Sujith Kalluri	IEEE Senior Member
21	Dr. Tousif Khan N	Member-IEEE Member ACDOS IFAC Affiliate Member - Indian Science Congress Association Member - Industrial Electronics Society Member - IEEE Control Systems Society Member - IEEE Power Systems Society
22	Dr. Somesh Vinayak Tewari	Member IEEE Member- ACDOS Member - Indian Science Congress Association
23	Dr. Shubh Lakshmi	Member - IEEE Member - IEEE Power and Energy Society Membership Member - IEEE Women in Engineering Membership Member - IEEE Smart Grid Community
24	Dr. Ramanjaneya Reddy	Member - IEEE Member - IEEE PELS Member - IEEE Industrial Electronics
25	Prof. Koshy George	Fellow, IETE Life Member, ISTE Member, ACDOS Member IET
26	Dr. Ramanjaneya Reddy	Senior Member, IEEE (CSS, CIS, RAS, SMC) Member INNS
27	Dr. Bhamidi Lokesh Gupta	Member - IEEE Member- IEEE Power and Energy Society
28	Dr Prakash Jadhav	Member, ASME Member, Indian society of applied mechanics
29	Dr. Pranab Mandal	Life Member, Materials Research Society of India (Membership No - LMB3220)
30	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]
31	Dr. Mannathan S	Indian Science Congress lifetime member
32	Dr. Nimai Mishra	Indian Science Congress lifetime member
33	Dr. Sabyasachi Chakraborty	Indian Science Congress lifetime member

34	Dr. Mahesh Kumar Ravva	Indian Science Congress lifetime member
35	Dr. Pardha Saradhi Maram	Indian Science Congress lifetime member
36	Dr. Raja Pandiyan J P	Life-Fellow at Indian Chemical Society, Kolkata, India (Founded 1924) Life-Fellow at Chemical Research Society of India, IISC Bengaluru, India Life-Fellow at Indian Society of Analytical Chemists, Mumbai, India
37	Dr. Jayasree Subramanian	Member, International Committee, Mathematics Educations and Society
38	Dr. Malavika Binny	Indian History Congress Kerala History Congress Kerala Council of Historical Research
39	Dr. Megha Yadav	Indian History Congress
40	Dr. Ravi Teja KVNS	Member, Institute of Engineers, India Certified Chartered Engineer, Institution of Engineers, India
41	Dr. Karthik Rajendran	Biotechnology Research Society of India (Life member) International Bioprocessing Association (Life member)
42	Dr. Salome Divya Joseph	Life Member: IAAP Indian Academy of Applied Psychology

Popular Talks, Radio, TV, and Internet based

Sl. No	Faculty Member Name	Details
1	Dr. Satya Pramod Jammy	Gave a talk about the popular opensource simulation software OpenSBLI, that he is the lead developer
2	Dr. Malavika Binny	1. Glimpses of Indian History, MNT News channel, April 16 th , 2021 2. History of Feminism, Part 1, and Part 2 on BijuMohan channel 3. The Idea of Mother India at 'Vimatha 2021', a cross-gender dialogue organised by the Rationalist Society, Palakkad, 14 February 4. Keralathinte Inakekal Series on Kerala History (5 episodes) on BijuMohan Channel, Youtube
3	Dr. Salome Divya Joseph	Moderated Panel Discussion on Women's Day: 8th March 2021. Youtube link: https://www.youtube.com/watch?v=qYPWFm_NFp4
4	Dr. Uma Maheswar	Career Prospects of Civil Engineering in Sakshi TV Webinar Series
5	Dr. Uma Maheswar	Interested in Engineering? Have a Look at career options beyond Computer Science? https://www.youtube.com/watch?v=G4cyPcSrgng&t=7s

6	Dr. Malavika Binny	The Idea of Mother India at 'Vimatha 2021', a cross-gender dialogue organised by the Rationalist Society, Palakkad, 14 February 2021
7	Dr. Malavika Binny	Keralathinte Inakekal Series on Kerala History (5 episodes) on BijuMohan Channel, Youtube presentation
8	Dr. Malavika Binny	Mahisa, Mahishi and Mahishasuramardini (Series on evolution of Hinduism) on BijuMohan Channel, Youtube presentation

Journal reviewers

Sl. No	Faculty Member Name	Journal / articles reviewed
1	Dr. Ghanshyam Pandey	S N Business and Economics (Springer Nature) Journal of Agribusiness in Developing and Emerging Economies (Emerald) Agricultural Economics Research Review
2	Dr. Anandrao Suvvari	S N Business and Economics (Springer Nature) Journal of Public Affair (Willey) Journal of Grey System
3	Dr. Mohana Rao Balaga	S N Business and Economics (Springer Nature) Indian Economic Journal (Sage) Financial Innovation
4	Dr. Rajni	The Explicator
5	Dr. Aparna Choudhary	International Journal of Productivity and Performance Management (EMERALD) Competitiveness Review (EMERALD)
6	Dr. Akash Anil	Journal of Intelligent & Fuzzy Systems IEEE Access Scientific Programming
7	Dr. Shubham Gupta	Journal of Supercomputing (Springer) Peer to Peer Networking and Applications (Springer) IEEE Access Ambient Intelligence and Humanized Computing (Springer)
8	Dr. Dinesh Reddy	Swarm and Evolutionary Computation Soft Computing Concurrency and Computation: Practice and Experience Sadhana
9	Dr. Rajiv Senapati	WPC, Springer
10	Dr. S. Sumalatha	Evolutionary Intelligence (Springer) KSII Transactions on Internet and Information Systems International Journal of Electrical and Computer Engineering

11	Dr. Sujith Kalluri	IEEE Transactions on Transportation Electrification
12	Dr. Anuj Deshpande	The IEEE Transactions on Control of Network Systems
13	Dr. Bhamidi Lokesh Gupta	Journal of Renewable Energy (Elsevier)
14	Prof. Koshy George	International Journal of Systems Science
15	Dr. Tousif Khan	International Journal of Control, Automation and Systems Neurocomputing ISA transactions IEEE transactions on circuits and systems 1: Regular papers. IEEE transactions on Power Electronics IET control Theory and Applications Journal of Vibration and Control IAES International Journal of Artificial Intelligence Frontiers in Neuroscience, Switzerland
16	Dr. Prakash Jadhav	McGraw hills book Additive manufacturing 2021
17	Dr. Vinod Kumar G. S.	Journal of Materials Science (Springer) Journal of Alloys and Compounds (Elsevier) Defence Materials (Springer) Metallurgical and Materials Transaction A Transaction of Indian Institute of Metals
18	Dr. Surfarazhussain S. Halkarni	International Journal of Ambient Energy (Taylor & Francis) Heat Transfer Journal (Wiley) Thermal Science and Engineering Progress, (Elsevier)
19	Dr. Ravi Teja K. V. N. S.	Journal of Materials, ASCE. Journal of Hazardous, Toxic and Radioactive Waste, ASCE. Organizing Committee Member, International Conference on Building Materials & Construction Technologies 2020, Dubai, UAE. Editorial Committee Member, Journal of Communications in Sciences and Mathematics, UNIFAP, Brazil. International Foundations Congress and Equipment Expo (IFCEE) 2021, Dallas, Texas. Geotechnical and Geological Engineering, Springer
20	Dr. G. V. P. Bhagath Singh	Cement and Concrete Research, Elsevier. Cement and Concrete Composites, Elsevier Construction and Building Materials, Elsevier. Composites Part-B: Engineering, Elsevier. Journal of Cleaner Production, Elsevier. Journal of Building Engineering, Elsevier. Journal of Materials in Civil Engineering, ASCE
21	Dr. Uma Maheswar A	Transportation Research Record: Journal of the Transportation Research Board (TRB), USA. Journal of the Association of Asphalt Pavement Technologists (AAPT), MN, USA. Conference of Transportation Research Group (CTRG), India.

22	Dr. Subhavana K. L.	Research, Invention, and Innovation Congress (RI2C 2021), Thailand
23	Dr. A. N. Murthy	Walailak Journal, Malaysia.
24	Dr. Sabyasachi Mukhopadhyay	Quater National Research Fund Iscience
25	Dr. Jatis Kumar Dash	Journal of Electronic Materials (Guest Editor) Frontiers of Physics (Review Editor)
26	Dr. Laxmi Narayana Patro	ACS Applied Materials & Interface, Applied Surface Science, Ceramic International, Journal of Materials Science: Materials in Electronics, Materials Research Express
27	Dr. Pranab Mandal	Journal of Electronic Materials (Guest Editor)
28	Dr. Mahesh Kumar Ravva	Journal of Physical Chemistry Letters, ACS Publications
29	Dr. S. Mannathan	Green chemistry, RSC Publications. Organic Letters, ACS Publications Inorganic chemistry, ACS Publications ACS Sustainable Chemistry and Engineering, ACS Publications European Journal of Organic chemistry, Wiley Publications
30	Dr. Sabyasachi Chakraborty	Journal of Physical Chemistry C, ACS Publications. Journal of Alloys and Compounds, Elsevier Publications. - total 3 papers Medical Oncology, Springer Publications.
31	Dr. Imran Pancha	Guest Editor - special issue "Algal Biomass" in the journal Plants Guest Editor - special issue in Frontiers in Marine Science
32	Dr. Anil K. Suresh	Lead Guest Editor - BioMed Research International (Impact Factor 1.57), Hindwai Publications, Associate Editor 1. Innovative Research in Chemistry Journal, Sci-Edit Publications. 2. Advances in Materials, Science Publishing Group, USA. 3. International Journal of Innovative Biological Research, Sci-Edit Publications. 4. Journal of Preliminary Research, Sci-Edit Publications. Editor 1. Peertechz Journal of Biomedical Engineering, Hi-tech City, India 2. Computational and Structural Biotechnology Journal, Section Nanotechnology, Sweden. 3. Advances in Integrative Omics and Applied Biotechnology, BiomedCentral, London. 4. Journal of Cell and Life Sciences, Sci-Edit Publications.

33	Prof. Jayaseelan Murugaiyan	Editor - German Journal of Veterinary Medicine Reviewer of more than 10 international journals
34	Dr. Tapan Kumar Hota	Journal of Fluid Mechanics, Cambridge University Press. Journal of Fluid Mechanics- Rapids, Cambridge University Press.
35	Dr. Fouzul Atik	Indian Journal of Pure and Applied Mathematics (ELSEVIER) Discrete Mathematics (ELSEVIER) International Conference on Mathematics and Computing (ICMC 2021)
36	Dr. Jayasree Subramanian	MES11 Conference Book chapter for the edited volume Mathematics Education for 'citizenship' and its 'other' in a 'global' world: Unfolding utopias, travelling hopes, and fabricating hybrids
37	Dr. Sayantan Mandal	IEEE Transaction on Fuzzy Systems. Fuzzy Sets and Systems. International Journal of Approximate Reasoning.
38	Dr. Shoji D Thottathil	Environmental Science and Technology (American Chemical Society) Biogeoscience (Copernicus Publications for the European Geosciences Union) Journal of Geophysical Research: Biogeoscience (American Geophysical Union) Scientific Report (Nature) Environmental Science and Pollution Research (European Chemical Society)
39	Dr. Karthik Rajendran	<i>Editor:</i> 1. Guest Associate Editor for a special issue in Frontiers in Energy Research Journal. Topic: Advanced biofuel production and cascading bioenergy systems. (Q2) Review Editor in Nanocatalysis (Royal Society of Chemistry) Review Editor in Catalytic Engineering Review Bioresource Technology (Elsevier) Renewable Energy (Elsevier) Energy Conversion and Management (Elsevier) Journal of Molecular Liquids (Elsevier) Waste Management (Elsevier)

40	Dr Pankaj Pathak	Waste Management Chemosphere Journal of Environmental Management Journal of Hazardous Waste Management Separation and Purification Technology Journal <i>Green Chemistry</i>
41	Dr. Lakhveer Singh	Editor - Editorial board member of Journal Biomass and Biorefineries, Springer. Reviewer: Progress in Energy and Combustion Science Biotechnology Advances Applied Energy Cleaner Production Green Chemistry International Journal of Hydrogen Energy Chemical Engineering Journal
42	Dr. Malavika Binny	Human Geography, Sage Journal

Other activities

1. Dr. Anuj Deshpande, 1) Participated in a faculty development program on “Recent Trends in Control System Engineering” by NIT Patna (22 June to 28 June 2020) 2) Participated in “MathWorks Faculty Development Programme on MATLAB” BY Andhra Pradesh State Skill Development Corporation (APSSDC) (10 June to 11 June 2020).
2. Dr. Somesh Vinayak Tewari Received financial support/funding under the scheme “Mentoring of Engineering Teacher by an INAE fellow”, August 2020.” Research area - Studies on Inertial Electrostatic Confinement Concept in Deuterium gas environment
3. Prof. Jayaseelan Murugaiyan, June 9-10, 2020, Parma Summer School 2020, European Food Safety Authority (EFSA), the School of Advanced Studies on Food and Nutrition of the University of Parma, Italy
4. Prof. Jayaseelan Murugaiyan, June 22-28, 2020, Science-Academies'-IN-YAS "Science Leadership Workshop", Online, Sponsored by all four premier science academies in the country (Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, National Academy of Sciences, India, Allahabad, and Indian National Young Academy of Sciences, New Delhi)

ACADEMIC ACTIVITIES BY STUDENTS

Semester Abroad Program

SRM University AP encourages have collaboration with world's finest universities like University of California Berkeley, University of Wisconsin-Madison, Asia University-Taiwan for SAP where students get opportunity to showcase their talent. SAP influences the perspectives, personalities, and academic life of the students positively. In the Spring 2021, the following two students from SRMAP visited University of California Davis (UCD) through SAP,

Sl. No	Name of the student	Department	University
1	Barukula Snehitha	CSE	University of California Davis (UCD)
2	Kamma Samhitha	CSE	

SAP students' Achievements

- 1) Snehitha built an automated pill dispenser for the elderly.
- 2) Snehitha attended the 32nd Annual Undergraduate Research Scholarship & Creative Activities Conference: EDU 198 004 SQ 2021.

Students' higher education details:

The list of students who have been selected to go abroad for pursuing higher studies are given below:

Sl. No	Name of the student	Department	Degree program	Name of the University
1	N V M Krishna Chaitanya Kotcherlakota	B.Tech., CSE	Master's in Computer Science and Engineering	NYU Tandon School of Engineering, USA.
2	Venkata krishna Sunkara	B.Tech., CSE	Master's in Computer Science and Engineering	New York university
3	Aaditya Jain	B.Tech., CSE	Master's in Management (MBA)	European School of Technology & Management (ESMT), Berlin, Germany
4	Sri Harsha	B.Tech., CSE	Master's in Computer Science and Engineering	New York University
5	Rahul	B.Tech., CSE	Master's in Computer Science and Engineering	University of Michigan

6	Ega Jahnavi Reddy	B.Tech., CSE	MS	University of Illinois at Chicago
7	Gude Abhin	B.Tech., CSE	MS	New York university
8	Harini Muddana	B.Tech., CSE	Master's in Computer Science and Engineering	University of Texas at Arlington
9	Neha Nimmagadda	B.Tech., CSE	MS	University at Buffalo (UB), State University of New York
10	Sarvesh Shroff	B.Tech., CSE	Masters in Artificial Intelligence	Illinois Institute of Technology, Chicago
11	Ajay Sugandh	B.Tech., CSE	MBA	IIM Ranchi
12	SVS Harsha	B.Sc., CSE	MBA	IIM Shillong, Meghalaya.
13	Vasika V G	B.Sc., Biology	M. Sc.	University of Bordeaux, Talence, France
14	Gowtham Gadupudi	B.Sc., Biology	M. Sc.	Christian-Albrechts-Universität zu Kiel, Germany.

Journal Articles – Students

1. Hajarathaiyah K., Anamalamudi S., Enduri M. K., A Survey on Recent Methods of Finding Influential Nodes in Complex Networks, International Journal of Advanced Trends in Computer Science and Engineering, 2021, 10.30534/ijatcse/2021/501022021
2. Hajarathaiyah K., Anamalamudi S., Enduri M. K. and Pamulapati K. P., Performance Comparison of Cache Based Routing in Information Centric Iot Networks, International Journal of Advanced Trends in Computer Science and Engineering, 2021, 10.30534/ijatcse/2021/231022021
3. Egala, B.S., Pradhan, A.K., Badarla, V.R. and Mohanty, S.P., Fortified-Chain: A Blockchain Based Framework for Security and Privacy Assured Internet of Medical Things with Effective Access Control, IEEE Internet of Things, 2021, 10.1109/JIOT.2021.3058946
4. Priyanka, K Jyothsna Devi and Naushad Varish, Muzzle Pattern based Cattle Identification Using GAN, 10th International Conference on Soft Computing for Problem Solving - SocProS 2020, 2020,
5. Parasa, N.A., Namgiri, J.V., Mohanty, S.N. and Dash, J.K., Introduction to Unsupervised Learning in Bioinformatics, Data Analytics in Bioinformatics: A Machine Learning Perspective, (35–50) © 2021 Scrivener Publishing LLC., 2021, <https://doi.org/10.1002/9781119785620.ch2>
6. Chaithanya, Estimating Degree of Emotional Polarity of Textual Sentence Using Sentimental Analysis, International Journal of Advanced Research in Engineering and Technology, 2021,
7. Rohit Chivukula, T. Jaya Lakshmi, Saleti Sumalatha and Lohith Ranganadha Reddy, Ontology based Food Recommendation System, 5th International Conference on ICT for Intelligent Systems, 2021,

8. Jahnvi P., Makkena A., and Maheshwari K., Human identify in a video sequence using an advanced learning approach, International Journal of Advanced Research in Engineering and Technology, 2021, 10.34218/IJARET.12.3.2021.078
9. Sindhura, S.P. and Abdul, A., Virtues and Shortcomings of Artificial Intelligence in Graphic Design Arena, International Journal of Advanced Research in Engineering and Technology, 2021, 10.34218/IJARET.12.3.2021.076
10. Padma Teja Adusumalli., Vyshnavi Garipelly, and Priyanka Singh, Travel Recommendation System Using Content and Collaborative Filtering - A Hybrid Approach, International Journal of Advanced Research in Engineering and Technology, 2021,
11. Rohit Chivukula, Mohan Vamsi Sajja, T. Jaya Lakshmi and Muddana Harini, Empirical Study on Microsoft Malware Classification, International Journal of Advanced Computer Science and Applications, 2021,
12. Gupta J.P., Singh A., Kumar R. K., A Computer-Based Disease Prediction and Medicine Recommendation System Using Machine Learning Approach, International Journal of Advanced Research in Engineering and Technology, 2021, 10.34218/IJARET.12.3.2021.062
13. Vemula M., Tadiboyina V., Sharma N., An Experimental Study of Heart Disease Prediction Using Different Supervised Machine Learning Algorithms, International Journal of Engineering Research and Technology, 2021, NA
14. Ega J., Krishna D. S. S., Manikandan V M, A Review on Digital Image Forgery Detection, International Journal of Engineering Research and Technology, 2021, NA
15. Varma M., Sumalatha S., Reddy A., Distributed Mining of High Utility Sequential Patterns with Negative Item Values, International Journal of Advanced Computer Science and Applications, 2021, 10.14569/IJACSA.2021.0120370
16. Harsha S., Anamalamudi S., Enduri M. K., Automated Detection of COVID-19 using Deep Learning, International Journal of Advanced Trends in Computer Science and Engineering, 2021, 10.30534/ijatcse/2021/511022021
17. Krishna P., Kamraan S. F., Priyanka, Stock Market Prediction Using Sentimental Analysis - A Vader Approach, International Journal of Advanced Research in Engineering and Technology, 2021, 10.34218/IJARET.12.3.2021.031
18. Paul J. K., Yuvaraj T., Manikandan V. M., A Multipurpose Artificial Intelligence Based Attentiveness Monitoring System, International Journal of Advanced Research in Engineering and Technology, 2021, 10.34218/IJARET.12.2.2021.068
19. Yadlapalli H., Ravi S. and Manikandan V. M., A Novel Online Examination Management Framework with Document Watermarking, International Journal of Management, 2021, 10.34218/IJM.12.3.2021.057
20. A. Adilakshmi, R. Alapati, A. Venkateswarlu and R. V. Gudapati, The Internet of Things and Agriculture: An Enriching and Empowering Combination, International Journal of Advanced Research in Engineering and Technology, 2021, 10.34218/IJARET.12.3.2021.010
21. Paul, J.K., Yuvaraj, T. and Gundepudi, K., Demonstrating Low-Cost Unmanned Aerial Vehicle for Anti-Poaching, IEEE Xplore, 2021, 10.1109/INDICON49873.2020.9342131
22. Muthe, K.B., Vemuru, T.S.T., Sharma, K., Mohammad, N.S., Decentrant - An Ethereum, Proxy Re-Encryption and IPFS Based Decentralized Internet, 2020 11th International

-
- Conference on Computing, Communication and Networking Technologies, ICCCNT 2020, 2020, 10.1109/ICCCNT49239.2020.9225483
23. Vardhan, Harsha Satya and Dash, Jatindra Kumar, and Mohanty, Sachinandan, Deep Convolutional Neural Networks for Classification of Interstitial Lung Disease, International Conference on Innovative Computing & Communications (ICICC) 2020, 2020, 10.2139/ssrn.3568854
 24. Murthy, Kandala Sree Rama, and V. M. Manikandan., A Block-wise Histogram Shifting based Reversible Data Hiding Scheme with Overflow Handling, 11th International Conference on Computing, Communication and Networking Technologies (ICCCNT), 2020, 10.1109/ICCCNT49239.2020.9225552
 25. Nikhila Korivi, V. M. Manikandan, Reversible Data Hiding in Encrypted Image using Checkerboard Pattern based Pixel Inversion, 5th International Conference on Computing, Communication and Security (ICCCS-2020), 2020, 10.1109/ICCCS49678.2020.9277147
 26. Muhammad Bala., Shailender Singh, The Elasticity of Health Expenditure on Agricultural Productivity Growth in Southeast Asia, Asia Pacific Journal of Health Management, Vol.16, No.2, pp.109-115.

Conference Attendance – Students

1. Sheik Haseena (Ph.D. student), Brian 2021, Acharya Nagarjuna Univeristy, March 19-20, 2021, Guntur
2. Jesni Jacob (Ph.D. student), Brian 2021, Acharya Nagarjuna Univeristy, March 19-20, 2021, Guntur
3. Y Saisrinu (Ph.D. student) - Application of ICT in teaching and chemical research (6th to 10th October 2020) - Jointly organized by MHRD and Jawaharlal Nehru New College of Engineering, Shivamogga, India (One-week training program)
4. Y Saisrinu (Ph.D. student) - World Nano Congress on Advanced Science and Technology", (WNCST - 2021) organized by the Centre for Nanotechnology Research (CNR) - (8th -13th March 2021), Organized by Vellore Institute of Technology, Vellore
5. Prabakaran Ganeshan (Ph.D. student), Karthik Rajendran. Dynamic simulation and optimization of anaerobic digestion process using MATLAB. 5th International Conference on Bioenergy, Environment and Sustainable Technologies (BEST2021) 29&30 January 2021, Tiruvannamalai, Tamil Nadu.
6. Sarath C. Gowd (Ph. D. student), Karthik Rajendran. Which nutrient recovery system is efficient from a material and energy balance point of view? 5th International Conference on Bioenergy, Environment and Sustainable Technologies (BEST2021) 29&30 January 2021, Tiruvannamalai, Tamil Nadu.

Conferences / Participation - Technical Activities (B Tech students)

Sl. No	Name of the student	Dept.	Details	Dates
1	Kalyan Mani Deepak Gogula	Mech	The 8 th International and 47 th National Conference on Fluid Mechanics and Fluid Power (FMFP 2020), IIT Guwahati,	9.12.2020 to 12.12.2020
2	Sujan Bahadur Thapa	Mech	The 8 th International and 47 th National Conference on Fluid Mechanics and Fluid Power (FMFP 2020), IIT Guwahati,	9.12.2020 to 12.12.2020
3	Suchet Bahadur Thapa	Mech	The 8 th International and 47 th National Conference on Fluid Mechanics and Fluid Power (FMFP 2020), IIT Guwahati,	9.12.2020 to 12.12.2020

Internships and trainings (From CR & CS)

A vast majority of students (more than 95%) attended internships and due to space limitation, it is not listed here.

Coding Club activities:

Sl. No	Name of the Event	Date	Event Details
1	CODE WARS 2.0	26-01-2021	CodeChef SRMAP Chapter organized a programming contest named "CODE WARS 2.0" on CodeChef online platform
2	Coders Paradise Ep1	13-03-2021	CodeChef SRMAP Chapter organized a programming contest: Contest Name: Coders Paradise Ep1. Date: 13/03/2021 Duration: 3 hours. The statistic of the contest goes as follows: Total Users/Teams who have made a submission: 120 Total Submissions: 492 Number of distinct users/teams with correct submissions: 82

Awards, Prizes & Medals

Sl. No	Name of the student	Department	Event	Prize / Place
1	Sanikommu Sravani	EEE	Selected for INAE Engineering student Mentoring Program under Prof. B. G. Fernandes of IIT Bombay.	-
2	Sanjana Vadapalli	Psychology	NOEL solo singing competition organized by SRM IST	First place

3	Sanjana Vadapalli	Psychology	MILAN solo singing organized by IITB	Second place
4	Sanjana Vadapalli	Psychology	Trinity College (Singing), London	Merit Grade

Sports activities

1. The second-year student of Civil Engineering Department G. Ram Dheeraj has found his interest in climbing mountains. In the past 2years he has climbed "Shetidhar Peak (5358mts)" and "Friendship Peak (5287mts)" Recently he has successfully returned after scaling "Deo Tibba Peak(6001mts) - Manali, Himachal Pradesh.

Popular Talks, Radio, TV, and Internet based

Sl. No	Student Name	Details
1	P Mohan Aditya and team (Mech)	Electric bike, covered in all social media
2	P Mohan Aditya (Mech)	Face Shield 2.0, covered in all social media

UNIVERSITY DISTINGUISHED LECTURES SERIES (UDL's)

SRM University - AP, Andhra Pradesh is organizing University Distinguished Lecture Series. The first edition of the series was arranged on October 17, 2020, at 3 p.m., where Prof. Ajay K Sood, Fellow of the Royal Society, FRS and Honorary Professor, Indian Institute of Science (IISc), Bengaluru, will be delivering a lecture on "Doing Science Without Borders".

UDL 1 - <https://srmap.edu.in/events/udl01-prof-ajay-k-sood/>

SRM University, AP - Andhra Pradesh has arranged the University Distinguished Lecture Series 02 on October 31, 2020, at 3 PM. Prof N Balakrishnan, Supercomputer Education and Research Centre, Honorary Professor, Indian Institute of Science (IISc.), delivered a lecture on Data to Discovery in Information Security during the webinar.

UDL 2 - <https://srmap.edu.in/events/udl02-prof-n-balakrishnan/>

SRM University, AP - Andhra Pradesh orchestrates the third chapter of the University Distinguished Lecture Series on "Atma Nirbhar Bharat: The role of collaborations". Prof Budaraju Srinivasa Murty, Director of Indian Institute of Technology, Hyderabad, delivered UDL 03 on November 7, 2020, at 3 p.m.

UDL 3 - <https://srmap.edu.in/events/prof-budaraju-srinivasa-murty-udl-03/>

The fourth edition of the University Distinguished Lecture organized by SRM University, AP - Andhra Pradesh will be delivered by Prof S Chandrasekhar, Director, CSIR-Indian Institute of Chemical Technology, Hyderabad. On November 21, 2020, at 3 PM, the session on "Saga of Science from 13th Century to 21st Century" is steered.

UDL 4 - <https://srmap.edu.in/events/prof-s-chandrasekhar-udl-04/>

SRM University, AP - Andhra Pradesh presents the fifth edition of the University Distinguished Lecture Series on November 28, 2020, at 3 PM. Prof. D. Basavaiah, INSA Senior Scientist, Professor, School of Chemistry, University of Hyderabad addressed the audience and delivered an insightful lecture on "Philosophy of Ultimate Success in Scientific Life".

UDL 5 - <https://srmap.edu.in/events/prof-d-basavaiah-udl-05/>

SRM University, AP - Andhra Pradesh invited Prof Ashutosh Sharma, Secretary, Department of Science and Technology (DST), Government of India to address during the sixth chapter of the University Distinguished Lecture Series. On December 5, 2020, at 11 AM, Prof Sharma delivered a session on "Art of Science in the Time of Virus and Beyond: The Brave New World".

UDL 6 - <https://srmap.edu.in/news/udl06-prof-ashutosh-sharma/> | <https://srmap.edu.in/events/prof-ashutosh-sharma-udl06/>

Prof K N Ganesh, Director, Indian Institute of Science Education and Research (IISER), Tirupati was invited to deliver a talk during the seventh edition of the UDL series to be held on December 12, 2020, at 3 PM. Prof K N Ganesh addressed the audience through a lecture on "Pursuit of Excellence: Institution Building".

UDL 7 - <https://srmap.edu.in/events/prof-k-n-ganesh-udl-07/>

Prof Seeram Ramakrishna, FEng, Everest Chair, Professor, National University of Singapore (NUS), was invited to spare a lecture on “Science & Technology for Healthy Life and Planet” on March 20, 2021, at 3.30 PM.

UDL 8 - <https://srmap.edu.in/events/prof-seeram-ramakrishna-udl08/>



University Distinguished Lecture #01



Prof. Ajay K. Sood, FRS

Department of Physics
Honorary Professor, IISc, Bengaluru

Lecture Title: Doing Science Without Borders



17-OCT-2020 | 03.00 PM

S A T U R D A Y

Abstract:

The relevance and importance of 'Science without Borders' has never been so acute and timely as of now when humanity faces many challenges such as Covid-19 pandemic, climate change, energy and food security. These challenges necessitate scientific and evidence-based inputs from various disciplines of natural science, engineering as well as humanities. This interdisciplinary approach with active collaboration amongst experts in different areas helps to synthesize a complete understanding of the issues. I will take some examples from our recent work to bring out the power of collaboration in doing fun and creative basic science. This will include our recent studies of (a) Emergent phenomena of flocking seen in birds, fishes and humans [1], (b) Machine learning in understanding a few century old problem of devitrification of glasses [2], and (c) Making of nanoscale bacterial heat engines [3].

[1]. Nitin Kumar, Harsh Soni, S. Ramaswamy and A.K. Sood, Nature Communications 5,4688 (2014) and Pradeep Bera and A. K. Sood, Phys. Rev. E101, 214402 (2020)

[2]. Divya Ganapathi, D. Chakraborty, A. K. Sood and R. Ganapathy, Nature Physics (September 2020), DOI: 10.1038/s41567-020-1016-4

[3]. Sudeesh Krishnamurthy, Subho Ghosh, Dipankar Chatterji, Rajesh Ganapathy, A.K. Sood, Nature Phys. 12,1134 (2016).

CLICK THE LINK BELOW TO REGISTER



<http://bit.ly/srmapUDL01>



University Distinguished Lecture #02



Prof. N. Balakrishnan

Supercomputer Education and Research Centre
Honorary Professor, IISc, Bengaluru

Lecture Title: Data to Discovery in Information Security



31-OCT-2020 | 03.00 PM

S A T U R D A Y

Abstract:

The major focus of this talk is to show the use of Artificial Intelligence (AI) and Machine Learning (ML) in discovering from the ever increasing quantity of data in computer networks and to protect the networks.

In the first part of the talk, we describe the concept known as "Revenge of Silicon" that clearly establishes the inevitability of the birth of big data and AI. We then focus on our two decades of research in the use of ML in handling large volumes of network data to enhance the performance of Intrusion Detection Systems, detecting structured botnets at infrastructure level traffic, malware detection and classification for off-line and for on line streaming data.

In the second part of the talk, we focus on topics such as Influence maximization and mobility and churn prediction for a large population of a city which depend on large volumes of data from social media and Call Data Records (CDR). These are of importance in smart cities, smart businesses, and smart economy.

We conclude the talk by presenting the future opportunities in big data and AI.



CLICK THE LINK BELOW TO REGISTER

<http://bit.ly/srmapUDL02>

**Prof. B.S. Murty**

Director. IIT - Hyderabad

Lecture Title:

Atma Nirbhar Bharat: The Role of Collaborations

07-NOV-2020 | 03.00 PM

S A T U R D A Y

University Distinguished Lecture #04

Dr. S. Chandrasekhar

Director, CSIR-IICT, Hyderabad

Lecture Title:

Saga of Science from 13th Century to 21st Century

21-NOV-2020 | 03.00 PM

S A T U R D A Y

REGISTER AT

<http://bit.ly/srmapUDL04>



University Distinguished Lecture #05

Prof. D. Basavaiah
Professor, University of Hyderabad

Lecture Title:
Philosophy of Ultimate Success in Scientific Life

 28-NOV-2020 | 03.00 PM
S A T U R D A Y



University Distinguished Lecture #06

Prof. Ashutosh Sharma
Secretary, DST, Govt. of India

Lecture Title: Art of Science in the Time of Virus and
Beyond: The Brave New World

 05-DEC-2020 | 11.00 AM
S A T U R D A Y



UNIVERSITY DISTINGUISHED LECTURE #07



PROF. K.N. GANESH
DIRECTOR, IISER TIRUPATI

LECTURE TITLE
PURSUIT OF EXCELLENCE: INSTITUTION BUILDING

 12 - DEC - 2020 | 03.00 PM

REGISTER AT:
<https://bit.ly/SRMAPUDL07>

S A T U R D A Y



UNIVERSITY DISTINGUISHED LECTURE # 08



PROF. SEERAM RAMAKRISHNA
PROFESSOR, NUS, SINGAPORE

LECTURE TITLE

SCIENCE & TECHNOLOGY FOR HEALTHY LIFE AND PLANET



Mar 20, 2021 | 3:30 PM

S A T U R D A Y

REGISTER AT:

<https://bit.ly/SRMAPUDL08>

UDL Series Youtube links

https://www.youtube.com/playlist?list=PL1aR21i62_gm5qCvLW3BEaXzXGRQw1Oqd

UDL 01 -

https://www.youtube.com/watch?v=vUjVjp4ku60&list=PL1aR21i62_gm5qCvLW3BEaXzXGRQw1Oqd&index=11&t=20s

UDL 02 -

https://www.youtube.com/watch?v=WdZbA9YeJbg&list=PL1aR21i62_gm5qCvLW3BEaXzXGRQw1Oqd&index=10

UDL 03 -

https://www.youtube.com/watch?v=3TTkSLGPEGo&list=PL1aR21i62_gm5qCvLW3BEaXzXGRQw1Oqd&index=9

UDL 04 -

https://www.youtube.com/watch?v=fcB-7mhSQMI&list=PL1aR21i62_gm5qCvLW3BEaXzXGRQw1Oqd&index=8

UDL 05 -

https://www.youtube.com/watch?v=LXboReENJKo&list=PL1aR21i62_gm5qCvLW3BEaXzXGRQw1Oqd&index=7

UDL 06 -

https://www.youtube.com/watch?v=mMw0IaR9Ifk&list=PL1aR21i62_gm5qCvLW3BEaXzXGRQw1Oqd&index=6

UDL 07 -

https://www.youtube.com/watch?v=RXB_eBL2iEA&list=PL1aR21i62_gm5qCvLW3BEaXzXGRQw1Oqd&index=5

UDL 08 -

https://www.youtube.com/watch?v=ykVUKoBJ-30&list=PL1aR21i62_gm5qCvLW3BEaXzXGRQw1Oqd&index=4

UDL Series Website links

UDL 8 - <https://srmap.edu.in/events/prof-seeram-ramakrishna-udl08/>

UDL 7 - <https://srmap.edu.in/events/prof-k-n-ganesh-udl-07/>

UDL 6 - <https://srmap.edu.in/news/udl06-prof-ashutosh-sharma/> | <https://srmap.edu.in/events/prof-ashutosh-sharma-udl06/>

UDL 5 - <https://srmap.edu.in/events/prof-d-basavaiah-udl-05/>

UDL 4 - <https://srmap.edu.in/events/prof-s-chandrasekhar-udl-04/>

UDL 3 - <https://srmap.edu.in/events/prof-budaraju-srinivasa-murthy-udl-03/>

UDL 2 - <https://srmap.edu.in/events/udl02-prof-n-balakrishnan/>

UDL 1 - <https://srmap.edu.in/events/udl01-prof-ajay-k-sood/>

UDL Series Press Releases

UDL 6 - <https://srmap.edu.in/newsroom/university-distinguished-lecture-prof-ashuthosh-sharma/>

UDL 2 - <https://srmap.edu.in/newsroom/prof-n-balakrishnan-university-distinguished-lecture-series-02-organized-srm-university-ap-andhra-pradesh/>

UDL 1 - <https://srmap.edu.in/newsroom/prof-ak-sood-udl-1/>

UDL Series Press Note

UDL 6 - <https://srmap.edu.in/file/2021/03/Press-Note-UDL06.pdf?x25189>

UDL 2 - <https://srmap.edu.in/file/2020/11/SRMAP-UDL-2-Press-Notes.pdf?x25189>

UDL 1 - <https://srmap.edu.in/file/2020/11/UDL-1-press-note-1.pdf?x25189>

DEPARTMENT-WISE INVITED TALKS / SEMINAR SERIES

1. The **Department of Biological Sciences** is organizing the '**SRM-AP Biology Seminar Series**' from 2021. The plan is to invite eminent researchers in the field of biology to deliver a lecture each month. The lectures will be delivered online via the Zoom platform to a wide range of audiences including undergraduate, master, Ph.D. students, and scientists across India. Some of our confirmed speakers include distinguished scientists (Bhatnagar awardees), women scientists in STEM, and young scientists across the world working on interesting questions in various streams of biology. Seminars will be held on last Saturday of the month. The following lists the seminars held from Jan 2021.

Sl. No.	Name of the delegate & affiliation	Topic	Data
1	Prof. Amitabh Joshi JNCASR	Why evolution is central to both biology and our lives	27.02.2021
2	Prof. Pankaj Poddar CSIR-NCL	M ³ : Microscopy, microbes, and materials	27.03.2021

2. **Department of Psychology**: Organized a Mental Health Panel Discussion on 23 March 2021. Invited four experts in the field for the same.
3. **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.	Name of the delegate & affiliation	Topic	Date
1	Prof. Sukumar Adhikari, RKMVERI	Some Problems Regarding Visibility of Integer Lattice Points and Related Arithmetical Functions	23 rd Sept 2020
2	Dr. Mithun Bhowmik, INSPIRE Faculty, IISc	Certain quasi-analyticity results and their application in Fourier Analysis	14 th Oct 2020
3	Dr. Rajat S. Hazra, ISI Kolkata, SSB Prize winner	Probabilistic Aspects of Complex Networks: A Spectral View	21 st Oct 2020
4	Prof. Madhu Raka, Centre for Advanced Study in Mathematics Panjab University, Chandigarh	Conjectures of Minkowski and Woods in Geometry of Numbers	4 th Nov 2020
5	Prof. Bittu Rajaraman, Ashoka University Haryana, Dept. of Psychology	Structures of Exclusion in STEM and by STEM: Gender, race, Caste, and Ability (Special Lecture open to students)	24 th Nov 2020

6	Prof. Ajai Choudhry, HRI	A quartic Diophantine equation inspired by Brahmagupta's identity	9 th Dec 2020
7	Dr. Ravi Prakash, Universidad de Concepcion, Chile	Introduction to Homogenization Problem and Tartar's Method	17 th Feb 2021
8	Prof. Gaurav Bhatnagar, Ashoka University	The Partition-Frequency Enumeration Matrix	10 Mar 2021
9	Prof. Chittaranjan Mishra, IIT Ropar, India and Monash College, Melbourne	Fast Pricing of multi-asset American Options under Jump-Diffusion Models	24 Mar 2021

4. Department of Economics:

Sl. No	Event	Topic	Dates
1	Panel Discussion	Union Budget	13 th Feb 2021
2	National E-seminar	Macroeconomic Issue of Declining GDP Growth: A Lesson from Future	2 nd October 2020

5. Invited Lectures by External Experts in Department of Mechanical Engineering as listed in the table below

Sl. No.	Name of the delegate & affiliation	Date (s)	Topic
1	Jaganmohan Rao, Ashok Leyland	March 2021	NVH in automotive sector

6. Department of History invited the following experts

Sl. No.	Name of the delegate & affiliation	Date (s)	Topic	Details
1	Dr. Sebastian Joseph, Assistant Professor, UC College, Kerala	18 March 2021	Using Films as sources for History	Department Webinar
2	Dr. Nandita Banerjee	18 March 2021	A Brief History of Indian Cinema	Department Webinar

SPONSORED RESEARCH PROJECTS

The following table lists the sponsored research grants (ongoing and received),

Sl. No	Title of the Project Names of the Investigators and Department	Scheme / Funding Agency	Sanction Number	Sanctioned amounts (in lakhs)	Duration / Status of the Project
1	Metal-catalyzed new cross-coupling reactions via C-H bond activation and Metallacycle formation Dr. S. Mannathan Department of Chemistry	DST-INSPIRE	DST/INSPIRE/04/2015/002987	55.00	2016-21
2	Role of Nuclear Hormone Receptors in C. elegans metabolism and Aging Dr. Manjunatha Department of Biological Sciences	DST-INSPIRE	DST/INSPIRE/04/2015/002416	96.00	2016-21
3	Mechanistic of CO Oxidation on Metal Free Catalyst and Property Package Dr. Ranjit Thapa Department of Physics	DST-SERB	SERB/EMR/2016/004689	35.45	2017-21
4	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
5	Studies upon Modification of High Entropy alloy for Thermal Barrier Coating Applications Dr Sheela Singh Department of Mechanical Engineering	DST-SERB	EMR/2016/001066	52.20	2017-20
6	Development of liquid metal processing route for closed cell magnesium foam Dr Vinod Kumar Department of Mechanical Engineering	DST-SERB	EMR/2016/006207	66.00	2017-20

7	Microbiome mediated fate and transformation of man released nano-pollutants Dr Anil K Suresh Department of Biological sciences	DST-SERB	SERB/ECRA /2018/00000 339	46.73	2018-21
8	Probing Charge Transport in Molecular Junctions with Impedance Spectroscopy and Transition Voltage Spectroscopy Approach Dr Sabyasachi Mukhopadhyay Department of Physics	DST-SERB	SERB/ECR/ 2017/001937	48.30	2017-20
9	Molecular links between nutrition, reproduction, and aging Dr. Manjunatha Department of Biological sciences	DST-SERB-ECR	ECR/2017/0 00213	44.53	2017-20
10	Tailoring of catalytic surfaces for CO2 reduction Dr. Mallikarjuna Rao Motapothula Department of Physics	DST-INSPIRE	DST/INSPIRE/04/2017/0 01392	102.00	2017-22
11	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/2018/0 01252	48.80	2018-21
12	First principles identification of descriptor for carbon-based catalyst Dr. Ranjit Thapa Department of Physics	DAE-BRNS (YSRA)	37(2)/20/14/ 2018-BRNS/37144	28.15	2018-21
13	Development of Nano-Engineered Blue-Emitting Blinking Suppressed 'Giant' Quantum Dots Dr. Nimai Mishra Department of Chemistry	DST-TARE	TAR/2018/0 00732	18.30	2018-20

14	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/IBMS04/1005/1036	25.00	2019-22
15	Vector Vortex Beams and their Scattering for Communication Applications Dr Gangi Reddy Salla Department of Physics	DST-SRG	SERB/SRG/2019/000857	26.17	2019-21
16	Development of Fast Fluoride Ion Conducting Solid Electrolytes for Rechargeable Solid State Fluoride Ion Batteries Dr Laxminarayana Patro Department of Physics	DST-SRG	SRG/2019/000767	31.60	2019-21
17	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/2019/000839	12.90	2019-21
18	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
19	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/2019/000194	30.00	2019-21

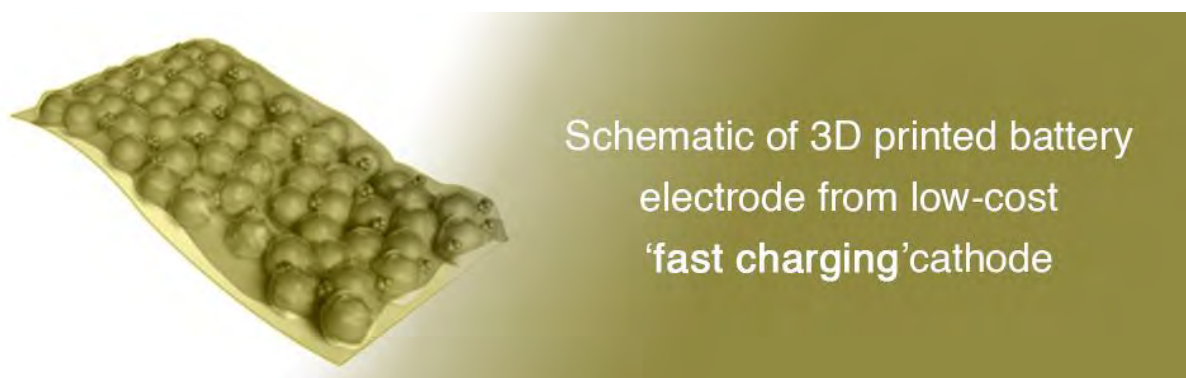
20	A scalable Secure Architecture Model for Privacy and Performance in IoT Dr Ashok Kumar Pradhan Department of Computer Science	DST-TARE	TAR/2019/000286	18.3	2019-21
21	Development of novel methods for deconvolution and denoising of seismic reflection data Dr. Karthikeyan Department of Electronics and Communication Engineering	DST-SERB	SERB/CRG/2019/001234	25.00	2019-22
22	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
23	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/2020/000713	14.63	2021-23
24	Chemical modulator based microalgal biorefinery for the production of biofuels and bioproducts Dr. Imran Y Pancha Department of Biological sciences	DST-SRG	SRG/2020/000165	27.00	2021-23

25	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/2020/001421	26.34	2021-23
26	Intelligent Disturbance Observer based Adaptive Control of DC-DC Power Converter for Nonlinear Loads Dr Tousif Khan Department of EEE	DST-TARE	TAR_2020_000386	18.30	2021-23
27	Jumbo-phage as a model for ancient cell organization Dr. Sutharsan Govindarajan Department of Biological sciences	DBT-Wellcome Trust	IA/E/19/1/504958	124.00	2021-26
28	Mechanistic understanding of bacterial cytoskeleton inhibition by antibiotics and novel bacteriophage proteins Dr. Sutharsan Govindarajan Department of Biological sciences	DST-CRG	CRG_2020_003295	52.00	2021-23
29	Wall effects in Shock wave boundary layer interactions Dr Satya Pramod Jammy Department of Mechanical Engineering	DST-CRG	CRG/2020/003859	39.00	2021-24

30	Understanding the molecular basis for the extreme differential level of expression of genes from human and animal rotaviruses in gene-transfected 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 /MED/29/1474/2019)	110.52	2021-24
31	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
32	Catalysts for CO ₂ Reduction to C ₂ Product: Descriptor to Database Prof Ranjit Thapa and Dr S. Biswas Department of Physics	DST-NSM	DST/NSM/R&D_HPC_Applications/2021/19	28.02	2021-23
33	Developing Structure-Morphology- Performance Relationships in Organic Solar Cells Dr Mahesh Kumar Ravva Department of Chemistry	DST-NSM	DST/NSM/R&D_HPC_Applications/2021/16	19.92	2021-23
34	Development of Closed Cell Gold Foam for Jewellery Applications Dr G S Vinodh Kumar Department of Mechanical Engineering	Tanishq Jewellers (TITAN Company Ltd)	IN-KA01404072207184T	29.60	2021-22
35	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/IS R/P-28/2020(G)	-	2021-24

SRM-AMARA RAJA CENTRE FOR ENERGY STORAGE DEVICES

Endorsing the spirit of collaboration between industry and academia, Amara Raja Batteries Ltd. (ARBL), India and SRM University, AP – Andhra Pradesh signed Memorandum of Understanding (MoU) to develop Amara Raja Centre for Energy Storage Devices at SRM University AP campus. The SRM AP- Amara Raja Centre has been established to design and develop low-cost, fast-charging, next-generation Lithium-ion battery innovations for smarter E-mobility. The Centre has state-of-the-art facilities, powered by top researchers from industry and academia to drive innovation from the laboratory to market.



RESEARCH DAY 2021

Research Day 2021 is celebrated in SRM University, AP - Andhra Pradesh on January 30, 2021. It is 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 of our University.

Research Day 2021 is graced by the esteemed presence of Sri S Somanath as the Chief Guest. Sri Somanath is the Director of Vikram Sarabhai Space Centre (VSSC). He is an expert in system engineering of Launch vehicles. He made contributions in PSLV and GSLV MkIII in their overall architecture, propulsion systems, structural and structural dynamics, separation systems, vehicle integration and integration procedures development. As a director, he is bringing into the organisation new developments and innovations. He has initiated various new R&D developments as well as facility up-gradation initiatives in VSSC.

Applauding the Research Day 2021 initiative, Dr. P. Sathyanarayanan, President, SRM AP stated "Research Day is when SRM University AP commemorate the faculty and students for their outstanding research contributions. This university, though just a three-year-old one, has grown leaps and bounds in research and is now clearly the front runner among all the universities in the region."

Prof. V. S. Rao, Vice-Chancellor, SRM AP welcomed the Chief Guest Sri S Somanath, Director, Vikram Sarabhai Space Center (VSSC), Thiruvananthapuram, and other revered audience. Prof. V. S. Rao highlighted, "Research Day brings an excellent opportunity for the scientific community to showcase their accomplishments and impactful research works."

Advancing the celebration, Prof. D. Narayana Rao, Pro Vice-Chancellor, SRM AP took the virtual podium to comment "Science and Technology is the driving force for the economic development of India. We need to encourage young scholars by providing a vibrant and conducive research environment. Expanding the frontiers of knowledge by triggering interest among students must be the priority of the institutions. Also, focus should be on translational research with societal applications through collaborative research to make our nation a global leader."

During his motivating speech on "The Indian Space Enterprise Achievements & New Directions", Dr S Somanath interpreted the complexities of Space Engineering by describing details pertaining to space infrastructure, and technology elements in rocket production involving the development of space vehicles capable of operating for years unattended in the space. He further informs, "The high cost and low volume

production remains the challenge associated with Space Engineering.” He also stated that there are increasing demand and scope for satellite startups and the export potential is on the higher side for satellites in India.

Dr S Somanath proceeded to illuminate the audience on the changing horizons of the space industry, contributed by the emerging technologies such as integrating satellites, drones, and terrestrial imagery. In addition, he addressed the disruptive technologies that led to reusable rockets, space technology-driven drones, etc., enhancing the market substantially for the satellite production and reducing the market for the launching vehicles.

Consequently, Dr S Somanath accentuated that the government bodies such as ISRO, IN-SPAC, and NSIL should remodel its direction of operation. He suggests, “Government of India should be opening the space sector and assist the new participants by sharing technological expertise. Startups and government bodies must be complementing one another to steer this industry towards excellence.”

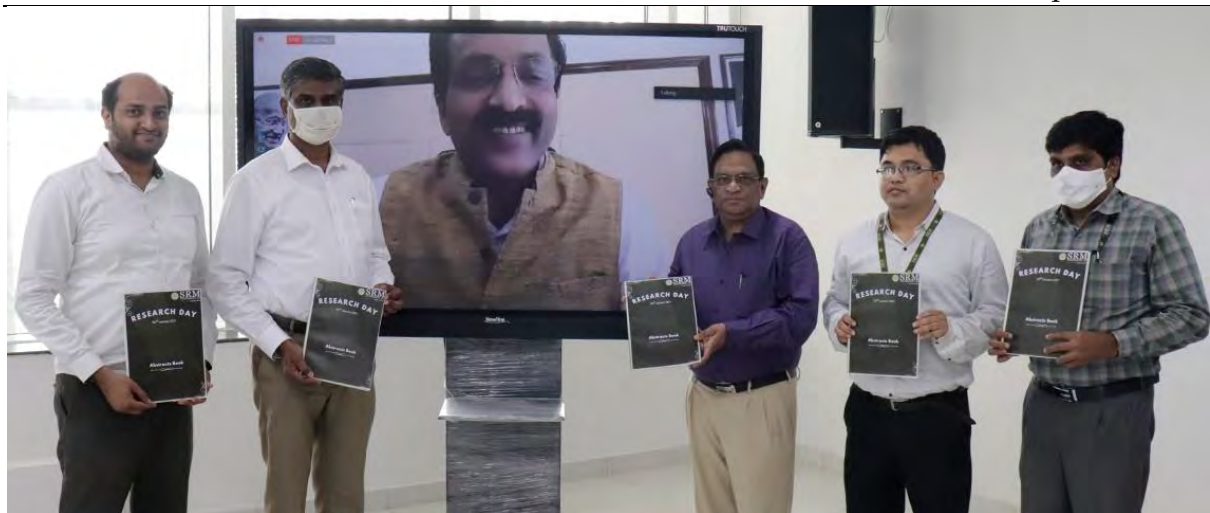
Progressing with the celebration, eminent scientific works and contributions of various faculty, research scholars, and undergraduate students were rewarded. As part of the research day programme, the students and faculty were urged to submit abstracts of their research. Among 176 submissions from students and 40 from the faculty community of SRM AP, 20 were awarded with gold medals while 6 were presented with silver medals. Further, a special issue of abstracts was unveiled during the Research Day celebration that comprised of all the submitted abstracts for public consumption.

Research Day Video Link:

<https://youtu.be/NpWHRH2ep3w>

News

<https://srmap.edu.in/newsroom/research-day-celebration-2021-srm-university-ap/>





SRM
UNIVERSITY AP
Andhra Pradesh

RESEARCH DAY

Friday, 29 January 2020

**Under
Graduates**

Submit your
abstract under UG
category

GOLD AND SILVER MEDALS FOR THE BEST RESEARCH WORK

TWO STUDENT PROJECTS WILL BE SUPPORTED

KEY DATES

Abstract(s) submission	30 Nov 2020
Acceptance of abstract	10 Dec 2020
Full paper submission	15 Jan 2021
Presentations	27 Jan 2021
Research day	29 Jan 2021

THEMATIC AREAS

Robotics and Dynamics	Environment
Internet of Things (IoT)	Energy
Communications	Electric Vehicles
Artificial Intelligence &	Economy
Machine Learning	Natural Sciences
	Other Areas

Convener: Prof. Ranjit Thapa
Co-Convener: Dr. Karthik Rajendran
Co-Convener: Dr. Murali Krishna Enduri

researchday@srmap.edu.in
<https://srmap.edu.in/research-6-1/research-day/>



SRM
UNIVERSITY AP
Andhra Pradesh

RESEARCH DAY

Friday, 29 January 2020

**Faculty
and
Scholars**

Submit your
abstract under
faculty category

GOLD AND SILVER MEDALS FOR THE BEST RESEARCH WORK

PUBLICATION CHARGES WILL BE SUPPORTED

KEY DATES

Abstract(s) submission	30 Nov 2020
Acceptance of abstract	10 Dec 2020
Full paper submission	15 Jan 2021
Presentations	27 Jan 2021
Research day	29 Jan 2021

THEMATIC AREAS

Chemical sciences	Life Sciences
Computer Sci. & Eng.	Mathematics
Elec. & Electronics Eng.	Mech. Eng.
Elec. & Comm. Eng.	Physical Sci.
Humanities and Social Sciences	Sustainability
	Other Areas

Convener: Prof. Ranjit Thapa
Co-Convener: Dr. Karthik Rajendran
Co-Convener: Dr. Murali Krishna Enduri

researchday@srmap.edu.in
<https://srmap.edu.in/research-6-1/research-day/>

Research Day 2021



SRM

UNIVERSITY AP
Andhra Pradesh



Shri Somanath. S

Director
Vikram Sarabhai Space Centre
Thiruvananthapuram

Avail the opportunity to listen to
our distinguished chief guest.



January 30, 2021 | 03:00 PM

S A T U R D A Y

Link to join:

<http://bit.ly/srmapResearchDay2021>

Passcode : 521733

INTERNATIONAL COLLABORATION & MOU'S

The following lists the active international collaborations and MoU's

Sl. No	Name of the University	Collaboration Level	Nature of Collaboration
1	Illinois institute of technology, Chicago, Chicago, USA	MoU	Student projects, Student Exchange
2	University of California Berkeley, Berkeley, USA	MoU	Student projects, Student Exchange, Course development, Faculty Exchange
3	Massachusetts Institute of Technology, Cambridge, USA	MoU	Student Exchange, Faculty Exchange, Curriculum development
4	EFREI Paris, Villejuif, France	MoU	Academic Collaboration
5	Minerva Schools at KGI, Sanfrancisco, USA	MoU	Providing content and technology enabled platform for conducting the course "Introduction to Python Programming"
6	Pasteur Institute, Paris, France	SERB-ERC Joint Agreement	SERB and European Research Council implementing arrangements: Dr. Manjunatha, Dept. of Biotechnology, Visiting research fellow
7	Queensland University of Technology-Australia	Prof. Prashant Sonar and Dr. Goutam Kumar Dalapati	Materials integration for efficient perovskite based photovoltaic devices
8	The Open University, UK	Prof. Satheesh Krishnamurthy and Dr. Goutam Kumar Dalapati	Atmospheric pressure plasma treatment for surface functionalization, metal oxide 2D composite for efficient solar hydrogen generation
9	National University of Singapore, Singapore	Prof. Seeram Ramakarishna and Dr. Goutam Kumar Dalapati	Hydrogen economy and smart coating for thermal management
10	Nanyang Technological University, Singapore	Prof. Terence Kin Shun Wong and Dr. Goutam Kumar Dalapati	Wide band gap semiconductors and Sulfide based materials for optical and electronic application

11	Nanyang Technological University, Singapore	Prof. Lydia Helena Wong and Dr. Goutam Kumar Dalapati	Nanomaterials for photovoltaic devices
12	Chungbuk National University-Republic of Korea	Dr. Chandreswar Mahata and Dr. Goutam Kumar Dalapati	Next generation logic and memory devices
13	Nanyang Technological University, Singapore	Dr. Renshaw Wang Xiao-- Dr. Mallikarjuna Rao Motapothula	Fabrication of free-standing and flexible epitaxial ultra-thin films.
14	Simon Fraser University, Canada	Prof. Karen Kavanagh -- Dr. Mallikarjuna Rao Motapothula	Characterizing the free-standing thin films using TEM and Helium Ion microscope of the samples prepared at laboratory, SRM AP
15	Istituto Italiano di Tecnologia, Italy	Prof. Liberato Manna --- Dr. Mallikarjuna Rao Motapothula	Fabrication of ion-induced defects on the Perovskite single crystals for opto-electronic applications
16	Seoul National University, South Korea	Prof. G.-H. Lee and Dr, Jatis Kumar Dash	Flexible device fabrication of 2D dichalcogenides, oxides and MXenes
17	Nottingham Trent University, UK	Dr. Lucas Goehring and Dr. Soumyajyoti Biswas	Fracture in cohesive granular media Models of power grid outages
18	Friedrich-Alexander-University erlangen-Nuremberg, Germany	Prof. Michael Zaiser and Dr. Soumyajyoti Biswas	Machine learning methods for predicting fracture
19	Pasteur Institute, Paris, France	Visiting research fellow and Project Collaboration	Research
20	Hebrew University of Jerusalem, Israel	Collaboration for research	Research

The University of Wisconsin-Madison	MoU	Student Exchange
-------------------------------------	-----	------------------

Asia University, Taiwan	MoU	Student Exchange, Faculty Exchange
-------------------------	-----	------------------------------------

CORPORATE RELATIONS & CAREER SERVICES

About CR & CS Department

CR & CS Department stands as Corporate Relations and Career Services. 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 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 is benefitted, and we give more importance to industry learning than the theoretical learning. For this, we invite eminent people in the industry from various fields to delegate lectures and impart 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 range 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 need 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 Policy

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:

Eligibility Criteria:

- 60% or 6 CGPA throughout (10th, 12th, UG)
- No Standing Arrears (Till 6th Sem)

Registration Process

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

Classification of Companies

- **Internship Only** – Companies offering only Internship with NO job assurance.

- **Day1 / Day2** – Companies offering IT Services jobs and doing mass recruitment.
- **I.T/ Non-I. T. Offers** – Companies which offer IT / Non-IT jobs with CTC between 3.0 LPA to 4.99 LPA (Non-IT Category may go higher)
- **Core Offers** – Companies which offers jobs for core engineering branches (excluding CSE)
- **Dream Offers** – Companies which offer CTC between 5 LPA to 9.99 LPA
- **Super Dream Offers** – Companies which offer CTC between 10 to 19.99 LPA
- **Marquee Offers** – Companies which offer CTC $\geq$ 20 LPA
- **International Offers** – Companies which offer overseas placement.

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, below schedule is for the training programme for industry readiness.

- From the first semester to the sixth semester, students are given training on Employability skills, such as- Quants, Verbal, Group discussions, Mock Interview, Interview handling skillsets. This helps the students to understand the professional world better and how to prepare for it.
- From the third semester to the sixth semester, students become familiar with Coding Training, industry-standard coding skills. These trainings provide students with the opportunity to turn their academic skills into professional skills as the industry prefers.
- The fifth semester is a crucial point in a student's life. Sooner they will be facing placement interviews which is their chance to seize their dream jobs. Domain Training, preparatory training for technical interview and GATE Standards are provided to help the students to be boosted with energy and confidence.

Moreover, our Assessment Partners validate students on a timely basis, and their reports help us to understand where our students' knowledge levels stand and what should be done to improve.

The Training team is involved in bringing all the training programs together and monitoring students' progress and catering additional supplement classes whenever required to making training effective.

- **Coding training-** We create different platforms and training sessions for skill enhancement.

- **Domain training-** We invite experts from the field to train our students and strengthen them.
- **Aptitude training-** We engage our students in time-to-time aptitude training sessions and keep their skills upgraded at all the times.
- **Interview handling skills:** Experts and faculty from various fields conduct sessions for interview handling skills and techniques. It also boosts up the spirits of our students.
- **Foreign language training:** our university never stands back in providing opportunities to students. We also train our students in different languages to achieve international offers.
- **Resource people from the industry** are invited to our campus to deliver lectures for our students to create awareness about the current trends. In this regard, we also conduct a series of webinar/seminars, time-to-time.

Training Report Table

	Training Type	From Date	To Date	Students Count
2017 - 2021 Batch	Domain Training	09-Sep-20	25-Oct-21	159
	Company Specific Training	19-Sep-20	11-Dec-21	
	Interview Handling skills	23-Nov-20	15-Dec-20	

	Training Type	From Date	To Date	Students Count
2018 - 2022 Batch	Aptitude	28-Sep-20	31-March-21	1056
	Verbal	28-Sep-20	31-March-21	
	Competitive Coding Skills training	28-Sep-20	31-March-21	
	Interview Handling skills	28-Sep-20	31-March-21	
	Domain Training	01-Mar-21	31-March-21	950
	Company Specific Training	15-Jul-21		870
	Mock Interviews	15-Jul-21		870

	Training Type	From Date	To Date	Students Count
2019 - 2023 Batch	Aptitude	28-Sep-20	31-March-21	758
	Verbal	28-Sep-20	31-March-21	
	Softskills	28-Sep-20	31-March-21	
	Competitive Coding Skills training	28-Sep-20	31-March-21	

	Training Type	From Date	To Date	Students Count
2020 - 2024 Batch	Aptitude	05-Oct-20	31-March-21	879
	Verbal	05-Oct-20	31-March-21	
	Softskills	05-Oct-20	31-March-21	

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

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.



Industry Visits

The University recognizes the fact that field trips and excursions are important components for a student's development. They are educationally sound and an important ingredient to the instructional program of our college. These activities supplement and enrich classroom learning and encourage new interests amongst students, it also makes them more aware of community resources and helps them relate their educational experience to the outside world. Different field trips and excursions are planned and executed at SRMAP. As such, apart from the academic development, the social and overall development of our students is also being focused. Industry tours are an integral part of the University curriculum. These tours ensure that students gain practical insights to industry operations in their respective areas of specialization. Some of the visits that students have undertaken.

Coca cola (Plant) India at Mangalagiri.



Webinars and Guest lectures

1. Topic: Transformation Process of a Student to an Employee & Insights on Resume Building/Digital Interviews

Resource person: Mr. Rakesh M S – Senior Manager (Human Resource), Capgemini Technology Services India Limited.

Date: 17/10/2020

2. Topic: Career through social media.

Resource person: Mr. K.S. SIDDESH RAM Director HR & Operations, AUGRAY, Chennai

Date: 24/10/2020, 5:30pm -6:30pm

3. Topic: Being Job Ready.

Resource person: Ms. Ruby, Talent Business Partner, ADP India, Chennai.

Date: 31st October 2020, Saturday.

4. Topic: Changing Business Leadership Paradigm

Resource person: Prof., Bushan D Sudhakar, Professor at the Department of International Business, School of Management, Pondicherry Central University, Puducherry.

Date: 29th December 2020

Parents meeting

Parents' meeting: Parents' meeting was organized, to make parents of the First maiden batch of SRM, AP the current opportunities in industry and make them know where their wards stand in the competition and how the preparation of the students must be for the upcoming campus placements.





Placements

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

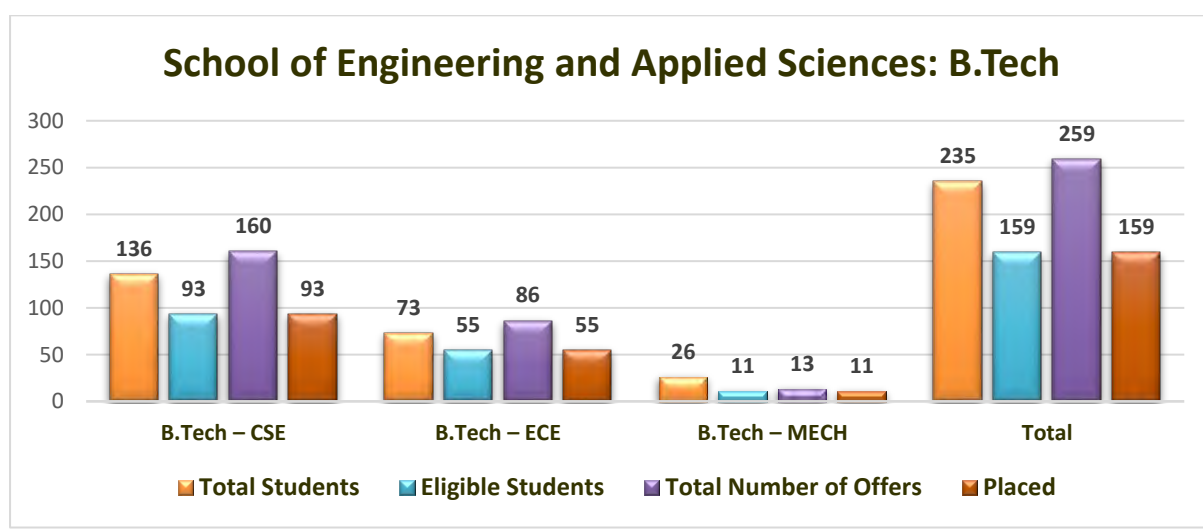
Holding a job offer while studying and securing an offer just after graduating is what most of the students dream of hence Placement Division strives hard to make this dream come true. The vision of our CR & CS department is "To place each student in the right company, at the right position, with the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

School Engineering and Applied Sciences				
Branches	Total Students	Eligible Students	Not Interested / Back log / Higher studies & Start-up's	Foreign Student
B.Tech. - CSE	136	93	27	16
B.Tech. - ECE	73	55	12	6
B.Tech. - MECH	26	11	1	14
Total	235	159	40	36
B.Sc. - Physics	5	1	4	0
B.Sc. - Integrative Biology	2	0	2	0
B.Sc. - Computer Science	7	5	2	0
B.Sc. - Maths	1	1	0	0
School of Liberal Arts and Social Sciences				
B.A - History	4	2	2	0
B.A - English	2	0	1	1
B.A - Economics	4	0	3	1
Total	10	2	6	2
School of Entrepreneurship and Management Studies				

BBA	43	9	34	0
-----	----	---	----	---

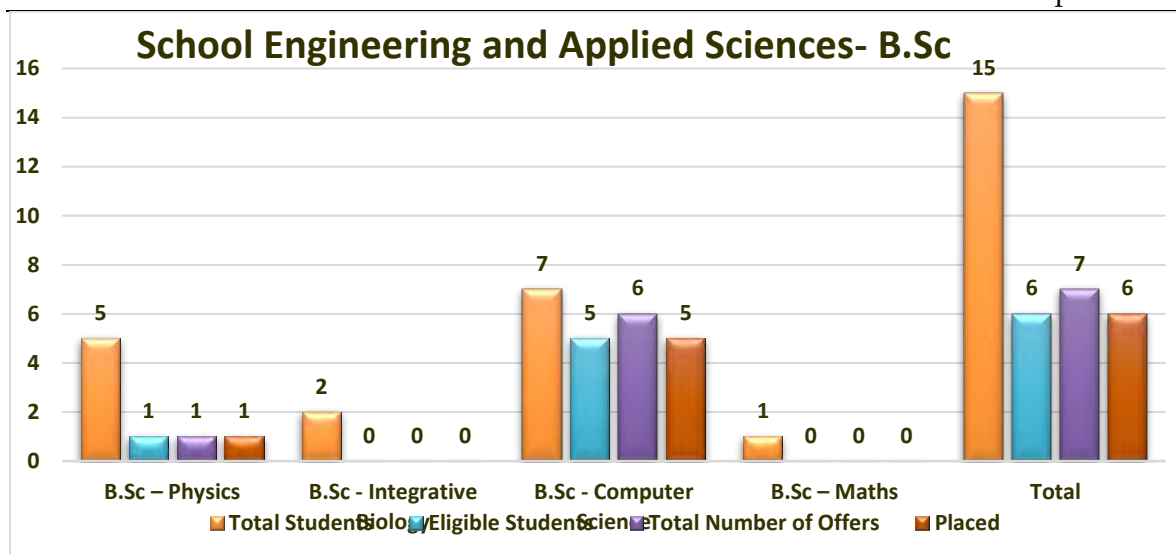
School Engineering and Applied Sciences: B. Tech

School Engineering Applied Sciences	Total Students	Eligible Students	Total Number of Offers	Placed	% Placed
B.Tech. – CSE	136	93	160	93	100.00%
B.Tech. – ECE	73	55	86	55	100.00%
B.Tech. – MECH	26	11	13	11	100.00%
Total	235	159	259	159	100.00%



School Engineering and Applied Sciences- B. Sc

School of Engineering and Applied Sciences- B.Sc.	Total Students	Eligible Students	Total Number of Offers	Placed	% Placed
B.Sc. – Physics	5	1	1	1	100.00%
B.Sc. – Integrative Biology	2	0	0	0	0.00%
B.Sc. – Computer Science	7	5	6	5	100.00%
B.Sc. – Maths	1	0	0	0	0.00%
Total	15	6	7	6	100.00%

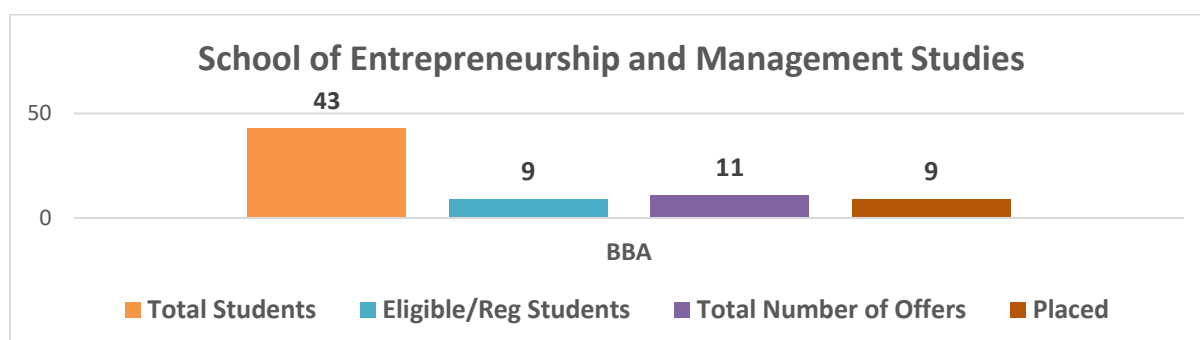


School of Liberal Arts and Social Sciences:

School of Liberal Arts and Social Sciences	Total Students	Eligible / Reg Students	Total Number of Offers	Placed	% Placed
B.A – History	4	0	0	0	0.00%
B.A – English	2	0	0	0	0.00%
B.A – Economics	4	0	0	0	0.00%
Total	10	0	0	0	0.00%

School of Entrepreneurship and Management Studies

School of Entrepreneurship and Management Studies	Total Students	Eligible / Reg Students	Total Number of Offers	Placed	% Placed
BBA	43	9	11	9	100.00%
Total	43	9	11	9	100.00%



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 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 tasks or projects with defined timescales. An internship may be compensated or non-compensated. The internship must 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.

Benefits to Students

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 tasks or projects with defined timescales. An internship may be compensated or non-compensated. The internship must 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.

EXTRA CURRICULAR ACTIVITIES: PHYSICAL EDUCATION AND SPORTS

The Department of Physical Education and sports, SRM University, AP - Andhra Pradesh is promoting Physical Education and sports on par with regular academics. The University is giving support to the value of sports and physical activities as a means of developing personality health and discipline. The department provides enormous opportunity to the students to make use of their leisure time with physical activities to reduce their pressure in their day-to-day education system. At this esteemed University, we believe in all round development of students and hence, with this unconditional support, the sports department went on to bring fame to the University in several disciplines of sports.

SRM University AP, students are always encouraged to go beyond the limits of curricular activities. The Students of SRM AP have proven to be all-rounders. In cricket, it is a proud moment that our student V. Maruthi Ranga Sai Akhil (Registration Number: AP19211010049) in BBA department selected in NATIONALS U-19 Men represents "The Andhra Cricket Association".

NSS ACTIVITIES

NSS CELL operationalized at SRM University, AP - Andhra Pradesh in the month of September 2018 under the Headship of the Registrar, SRM University, AP - Andhra Pradesh.

Some of the glimpses of NSS CELL are as follows:

- ▶ Carrying Social Service at SRM University is a routine exercise, much before the inauguration of NSS officially, SRM University conducted many programmes in its short duration of inception
- ▶ NSS Officially formulated for SRM University AP in the month of Sep 2018
- ▶ Initially started with one Unit by getting a student volunteer strength of 100
- ▶ Later started Unit 2 with another 100 student volunteers
- ▶ Now operating with more than 200 student volunteers in both the units
- ▶ The University has currently one Programme Coordinator and one Programme Officer
- ▶ The University initially adopted "Neerukonda" Village and later also adopted "Kuragallu" Village
- ▶ With the active support of University and State Level Body, both the Units are operating actively in conducting various activities

Officers in-charge for NSS activities at SRM University, AP - Andhra Pradesh:

The following new Programme Officers appointed replacing the previous Programme Officers:

1. Programme Coordinator: Dr. A. Lakshmana Rao, Asst. Professor from Dept. of Commerce.
2. Programme Officer - Unit 1: Ms. Revathi Balakrishnan, Asst. Director - Student Affairs
3. Programme Officer - Unit 2: Dr. Pardha Saradhi Maram, Associate Professor, Dept. of Chemistry

All these functionaries must act in accordance with the directions given by State NSS Office, Govt. of Andhra Pradesh, represented by Joint Director - NSS and State NSS Officer and the Registrar, SRM University, AP - Andhra Pradesh.

Other officials representing the Govt.:

1. NSS Regional Director - Mr. J. Rama Krishna and
2. The Position of State NSS Officer - Dr. Ramesh Reddy must be filled due to the sudden demise of Dr. Ramesh Reddy. **Activities Conducted during 2020-21:**

The NSS Cell could not be able to conduct many programmes as planned due to CoVID 2019 and the on going Pandemic. However, it could be able to complete the following three major events despite the Pandemic:

1. Many of the volunteers continued their Community Development Activities individually in their respective places
2. Introduction of NSS to the new students conducted through series of webinars by the University
3. Founders Day Programme of the University conducted through on-line on August 24th, 2020, in association with Yoga and Meditation Centre of the University represented by Dr. Venkat Nori
4. A medical camp was organized on account of Women's Day in the campus on March 8th, 2021
5. NSS Certificates distributed through on-line on April 29th, 2021, to the following volunteers on account of their successful completion of two-year tenure.

Full Name	College Id number	Department	Year
Yasaswy Veeranki	AP18211010045	BBA	2018-2021
Patan Fazulullah	AP18211050005	B.Sc. Computer Science	2018-2021
Gottipati Vamsi Krishna	AP17110010029	CSE	2017-2021
Chaithanya R	AP17110030008	Mech	2017-2021
Maddi Yasaswini Venkata Sai Bhavya Sri	AP18211010014	BBA	2018-2021
Peddi.Sree Deepthi	AP18211050006	B.Sc. Computer Science	2018-2021
Tanguturi Venkata Krishna Vardhan	AP18211010036	BBA	2018-2021
A. Rajesh	AP17110030001	Mech	2017-2021
Meghana Movva	AP18211010020	BBA	2018-2021
Gadupudi Gowtham	AP18211070001	B.Sc. Biology	2018-2021
Marri Mahendra	AP17110010085	CSE	2017-2021
Poojith Reddy Yallammagari Rachakada	AP17110010025	CSE	2017-2021
Arun Prasath M	AP17110030012	Mech	2017-2021

Further, the Funds released by Government of India for year 2020-21 is also less due to the Pandemic Rs. 12,968/-received as a token amount for various activities of NSS.

INVITATION TO THE FOUNDERS DAY CELEBRATION



WEBINAR ON

Yoga and Meditation Techniques for COVID-19 and Beyond



heartfulness
purity weaves destiny

August 24, 2020 (Monday) 7:00 pm

THE SCHEDULE OF THE PROGRAMME

- 7:00pm - 7:03pm: Welcoming audience and inviting Honourable VC to address by NSS Cell
- 7:03pm - 7:05pm: Invocation Prayer
- 7:05pm - 7:10pm: Welcome Address by Honourable Vice-Chancellor Prof. V S Rao
- 7:10pm - 7:35pm: Yoga Session by Mr. Vaibhav More
- 7:35pm - 8:10pm: Meditation Session by Dr. Ravindra Dhuli
- 8:10pm - 8:12pm: Vote of Thanks by Dr. Venkat Nori



ACTIVITIES OF STUDENT AFFAIRS DEPARTMENT

Report of Student Affairs Department

JUNE

1. Webinar on Statement of Purpose

Date: 4th June 2020

The Statement of Purpose is the single most important part of application important for admissions, career path and helps in improving professional interests.

SOP is not just needed for higher studies abroad. It is also required to be submitted for admission in premier institutions in India. Apart from that it is required to apply for internship and s Speak your Heart

2. Speak your heart

Date: 16th June 2020

With the prevailing scenario of Covid it was felt that many were stressed out, anxious about a lot of things which if left unaddressed will have a bad effect on health

A Series called "SPEAK YOUR HEART" was started to deal with "STRESS, ANXIETY & DEPRESSION" the first session was quite apt for the then prevailing situation, in which a renowned Counsellor and coach Ms. Lakshmi gave an insight about stress anxiety and depression. Ms Lakshmi with over two decades of experience helped to reclaim the participants sense of self and reconnect positively with society for personal growth.

3. The Newsmakers

Date: 20 June 2020

'Newsmakers' a new series was launched to showcase student's and faculties achievement and to encourage others to create and do things to make The University proud.

Under the first session of Newsmakers, Guinness world record holder Tatineni Sreya, ECE was invited to share her experience at 5,00pm on zoom.

4. Club Inauguration (SAEINDIA Collegiate Club)

Date: 24 June 2020

SAEINDIA is India's leading resource for mobility technology. As an individual member-driven society of mobility practitioners, the ownership of SAEINDIA wrests with its members who are Individuals from the mobility community, which includes Engineers Executives from Industry, Government Officials, Academics and Students



SAEINDIA is a strategic alliance partner of SAE International registered in India as an Indian nonprofit engineering and scientific society dedicated to the advancement of the mobility industry in India. As a technical club SAE INDIA (SRM AP chapter) was inaugurated online with the mentor's Dr Venkat Nori and Dr Jayaprakash and students

The objectives being:

- a). To promote learning new technologies amongst the students and enable them to explore their creativity/engineering skills in AV technology in a fun and competitive atmosphere
- b). To give students the experience of product development - design, analysis, prototyping/fabricating, testing and finally launching the product - developing technical skills, teamwork, and leadership skills.
- c). To provide a platform for discussion and brainstorming on topics such as
 - i) Getting aware of the Govt. regulations
 - ii) Product and possible start-up ideas in AV area

iii) Key strategic and business issues facing the sector.

5. The Newsmakers

Date: 26 June 2020

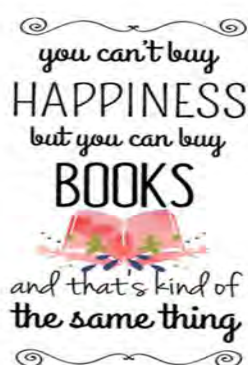
The next session of NEWS MAKERS featured Mr Aditya Mohan a 2nd – year (department of mechanical engineering) student who developed a highly useful face shield that costs less than a plate of snacks. A very lightweight, easy to wear, comfortable yet durable face shield is also biodegradable as the headband is made of cardboard(paper) which is 100% degradable material, and the plastic can be reused. The Face Shield costs INR 15



6. Book Reading Club

Date: 27 June 2020

To inculcate the habit of reading books while at home the reading club was revived with a workshop on how to review a book



7. Speak Your Heart (The Happiness Trap)

Date: 29 June 2020

The next session of Speak your Heart featured practicing professional counselor who is well known and has been in this field for a long period of time. Dr. NappinnaiSeran. She shared

her thoughts on the topic "The Happiness Trap". The session ended with Q&A session from the students.

JULY

1. The News Makers: (Koushik Bhargav, Epperla Karthi, and Khushboo)

This online event took place on 03-07-2020. These students have developed some very interesting products and they won five international hackathons. The hackathons are:

Tez India, organized by Tezos Foundation, Hack Now (Cal hacks), organized by UC Berkeley, SKYhacks, organized by Major League Hacking, Silicon Valley Hacks, Devpost, CovLab hack, Devpost.



Watch Live in  

THE NEWS MAKERS
Next Tech Champs: Thinkers, Innovators, Developers

 **JULY 3rd 2020**
5.00 pm - 6.00 pm

Join an interactive session with our achiever's, Koushik Bhargav, Epperla Karthi, and Khushboo who Developed some Interesting Products and Won Five International Hackathons.

1. Tez India, organised by Tezos Foundation | 2. Hack Now (Cal Hacks), Organised by UC Berkeley
3. SKYHacks, organised by Major League Hacking | 4. Silicon Valley Hacks, Devpost | 5. CovLab Hack, Devpost

2. Quiz Competition (Common Man Biology):

An online event that tested the skill of the students about common biology. It took place on 04-07-2020. There were two rounds, one preliminary and one final round.

3. Book Review:

This interactive book review session happened on 04-07-2020 and was taken by Ishita Agarwal. The book detail is the following:

Name of the Book: Not Without My Daughter

Authors: Betty Mahamood, Willam Hoffer

Publisher: ST. Martin's Press

4. Session on Ikigai:

This online session was conducted by Mr. Priyanand. He is an Assistant Professor and an eminent soft skill trainer. This session took place on 06-07-2020 via a Zoom meeting.

5. The hangout - Singing 1 o 1:

This was an online recreation and appreciation session with Dr. Soundarya K.R. Dr. Soundarya K.R is a trained and passionate singer, has explored all styles of music, starting from Indian classical to western classical. She has Sung for short films, ad films, and albums. She has also sung in a few movies like

1. Nee ennamaayamSeidhaai
2. Indira Kobai
3. Thiripuram

Her Training in music include:

Learnt South Indian Carnatic Music from Various Gurus, Mrs.Kothai, Mrs.VijayaLakshmi, and Ms. Dhivya from Trichy, Andhra Pradesh, and Chennai.

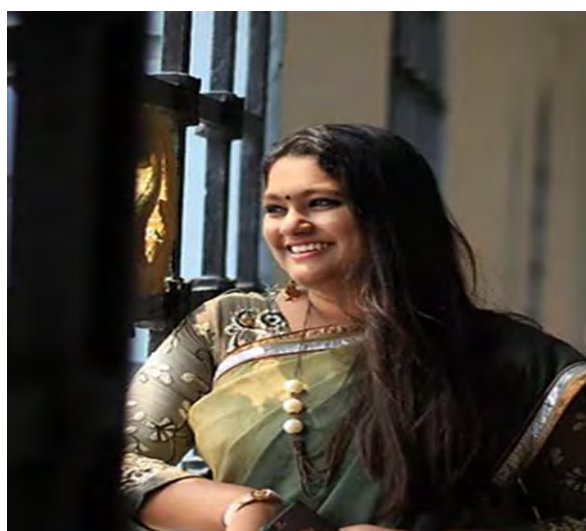
Learning Western Classical Music from Hannah Elliot, Chennai.

Theory of Western Music and Rock & Pop from Mr. Meshach Caldwell.

Plectrum Guitar from Mr. Kannan.

Carnatic Violin from MrRamanujaCharulu and Mr Prasath.

This event took place on the evening of 08-07-2020.



6. "in the series Big Shift" -ZUMBA - (fitness session with high energy and motivating music):

This online session was devoted to fitness and motivation. It was conducted by Ms. Rajeswari who is a certified Zumba Trainer. The event date was 10-07-2020.

7. Book Review:

A very interactive and informative book review session was taken by Adam Wumbula, who is a B. Tech student of SRMAP. The Name of the Book was "Never Eat Alone." The online event date was 11-07-2020.

8. Quiz Competition (World of Computers):

Online quiz competition to recognize the knowledge of computers. It was conducted among the students on 15-07-2020.

9. Learn to mind mapping: (Mrs. Deepa Narayanan)

This was an online session to make the participants realize their mind power. This session was taken by Ms. Deepa Narayanan. She engaged the students in such an energetic 'Mind Mapping' session. This session took place on 17/07/2020 online to enlighten the minds of the attendees.



10. Movie Review - How to review a movie:

Reviewing movies can be fun exciting and at the same time can be useful too. But it requires a good amount of generosity to review it in front of all. Mr. Mohamad Ibrahim took a session on how to review a movie on 18-07-2020.

11. The Book Review - The book thief:

An online session that reviewed this amazing book. The session was conducted by Mr. Tushar Sahu. It took place on 18-07-2020.

12. The News Makers - selected for the prestigious APJ Abdul Kalam memorial international travel award: (Dr. Tousif Khan - Asst. Professor and HOD - Dept. of EEE SRM AP)

Dr. Tousif Khan has been awarded the very prestigious APJ Abdul Kalam Memorial International Travel Award for his research on 'Laguerre Neural Network Driven Adaptive Control of DC-DC Step Down Converter.' He has proposed brand new and intellectual ideas on the topic which led to the award. The Newsmaker session took place on 21-07-2020.



13. Email Etiquette: (Mr. Joseph Arc Leo)

This interactive online session took place on 22-02-2020.

Mr. Leo Arc Joseph is an Assistant professor of SRM University Andhra Pradesh. He is well-trained and a skilled person to take this very interactive online session. Amid this pandemic, everything has been online, and writing a clear mail with etiquette can help you get the work done.

14. My Corner (The Political Economy of Nigeria):

Mr. Mohammad Muazu Bala is a Research Scholar at SRM University – AP who is originally from Nigeria. On 24-02-2020, he spoke about his country and the scenario in his Country- Nigeria

15. The News Makers: (Dr. Somesh Vinayak Tiwari)

This online session of "The Newsmakers" presented Dr. Somesh Vinayak Tiwari. He was awarded the "Outstanding Doctoral Student Award" in the category of Engineering Sciences for his research in the area of "Surface flashover study of an insulator in gases at high pressure" by the Board of Studies in Engineering Sciences of Homi Bhabha National Institute (HBNI). This session took place on 25-07-2020 and he shared his experience with Dr. Anuj Deshpande.



16. Session on SOP Academics: (Professor Ranjit Thapa)

On 28-07-2020, Professor Ranjit Thapa took a very interactive session on SOP. A Statement of Purpose is a very important component of job and scholarship application. This can show how strong-minded and a person of vision someone is. The students were able to interact and experience the ways and methods of writing a perfect SoP. It has helped them to be the best.

17. Introduction to Mindfulness: (Dr. Salome Divya Joseph)

An introductory session on Mindfulness was taken on 30-07-2020 by Dr. Salome Divya Joseph, who is a faculty from the Psychology Department. This session concerned the participants about the following topics:

1. Understanding what is mindfulness.
2. Core capacities that can be developed using mindfulness
3. Benefits of practice: to self and others
4. Mindfulness techniques (with activity)

18. Healthier Way of Online Learning: (Dr. Lakshmi Rajyam - Medical Officer - SRM AP)

The Medical Officer of SRM AP, Dr. Lakshmi Rajyam took an interesting session on how students should take care of themselves during this COVID situation and how online learning can be interactive to everyone. The session took place on 31-07-2020.

August 2020

1. The Newsmakers - An Interactive session

This was an interactive and appreciative session on four students who got placed in Anheuser-Busch InBev with a handsome salary range. The students are Koushik Bhargav, Pesala Tanmayi, Tuhin Sarkar, Sri Harsha. All of them are from the CSE department. This event took place on 08-08-2020.



THE NEWS MAKERS

Koushik Bhargav | Pesala Tanmayi | Tuhin Sarkar | Sri Harsha

Join an interactive session with **Pesala Tanmayi, Koushik Bhargav, Tuhin Sarkar & Sri Harsha Tavidleetty Rajendra**, Department of CSE, SRM University - AP.
Placed in **Anheuser-Busch InBev** with a salary package of ₹12-₹17 Lakhs Per Annum.

Aug 8, 2020. 05:00 PM India

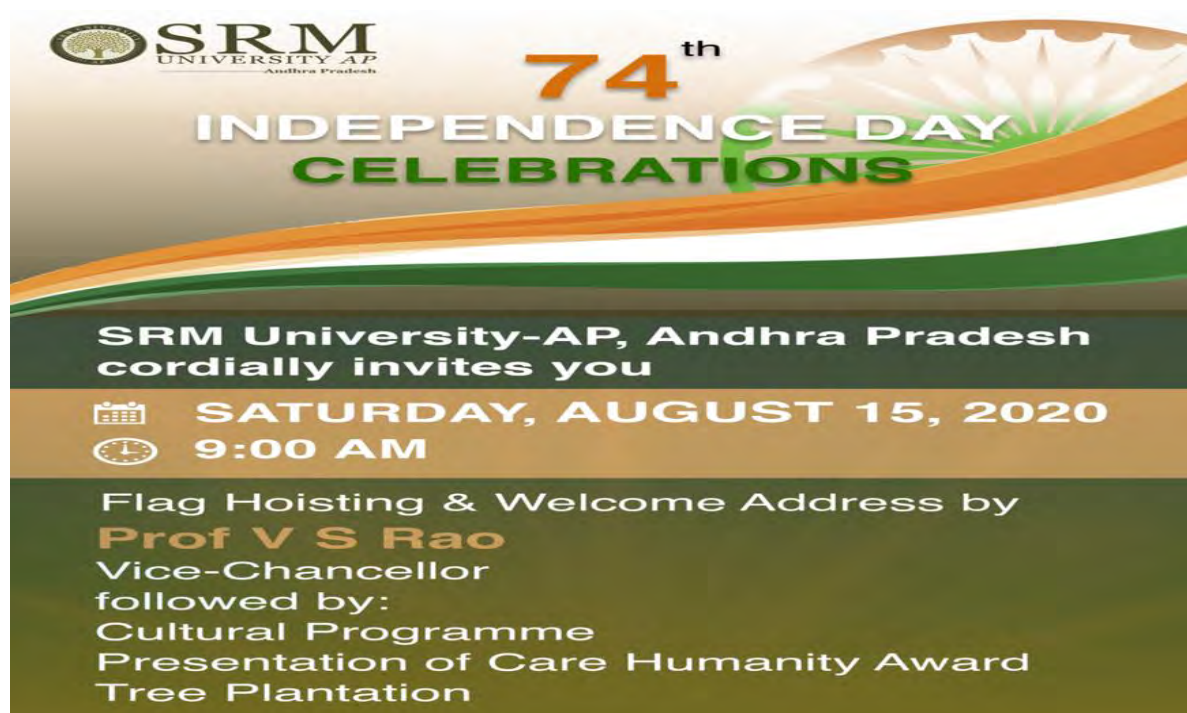
2. Book Review:

A very interactive and informative book review session was taken by Adam Wumbula, who is a B. Tech student of SRMAP. The Name of the Book was "Never Eat Alone." The author's name is Keith Ferrazzi. The date for this online event was 09-08-2020.

3. Independence Day Celebrations:

On the fine morning of 15-08-2020, SRM AP celebrated the 74th Independence Day with some online activities. The students performed and the Vice-Chancellor hoisted the flag. But the Social Services by Ph.D. students of SRM AP are notable here.

Ph.D. students of SRM AP, D. Lenin Babu, and Yarramsetti Saisrinu served nobly the needy during the pandemic. They distributed free essentials such as rice and condiments to the poor. They were honored with shawls and were presented the "Care Humanity" award along with mementos.



4. Book Review:

A very interactive and interesting session on the book 'Man's search for meaning' took place on 15-08-2020. The author of the book is Viktor e. Frankl. Reviewer Adam Wumbula did an amazing job to explain the essence and importance of one's life through the review of this book. This was an online session and was conducted by Zoom meeting.

5. Selection of Club Conveners:

Clubs are a big and important part of any institution. The convener of any club must be dynamic and active. So, the selection of the members and convener is a huge responsibility. On 22-08-2020, the selection of club conveners took place.

6.The Newsmakers: (Candid conversation on securing “Super Dream Internship” from Amazon)

Ritika Katragadda, a student from the CSE department of SRM AP was selected in Amazon with a CTC of 29.5 Lacs per anum. On 22-08-2020, others had a chance to make a candid conversation with her on achieving this dream internship and job.



7.Selection of Student Council Members:

This event took place on 23-08-2020. This session was to select New Council members for the academic year 2019-20. The selection of student council members is necessary as they are going to serve the university and other students throughout their working time.

8.The Newsmakers:

An informative and interactive session was conducted with two students from the CSE department, Talari Hrisheekesh, and Gude Abhin on achieving the dream internship and job with a CTC of 12 lacs per anum. The online session was taken on 29-08-2020.




THE NEWS MAKERS

Internship stipend - ₹ 35000
CTC on conversion - ₹ 12 LPA

Join an interactive session with



TALARI HRISHEEKESH
B.Tech - Computer Science and Engineering



GUDE ABHIN
B.Tech - Computer Science and Engineering





Aug 29, 2020 04:00 PM India

9. Meet your Best possible self through positive psychology:

Having a positive mind set-up and working towards becoming the best version is the best improvement one can ever do to themselves. Dr. Smitha Sharma – Student Counselor, SRM AP was the Resource Person to take this interactive session with the participants. The event took place on 30-08-2020.

SEPTEMBER 2020

1. Teacher's Day:

On teacher's day, SRM AP had an online Teacher's Day Program to support and cherish the moments with teachers. The event took place on 05-09-2020 and was streamed live on Zoom, Youtube, and Facebook.



SRM UNIVERSITY-AP, ANDHRA PRADESH
CORDIALLY INVITES YOU TO

Teachers Day Programme

// on September 5, 2020 at 4.00 pm //






2. The Newsmakers:

Ayushi Biswas, Sri Krishna Rohith, Gumdavely Ramya, three students of SRM AP secured a job with 10 lacks per annum with different companies. This Newsmaker session was held on 12-09-2020 to motivate them and interact with them about their journey.



THE NEWS MAKERS

Ayushi Biswas
Sabre

Sri Krishna Rohith
AMADEUS

Gumdavely Ramya
AMADEUS

Join an interactive session with Ayushi Biswas, Sri Krishna Rohith, and Gumdavely Ramya, Department of CSE, SRM University-AP, as they narrate their journey of getting placed with a salary package of 10 Lakh per annum.

5 to 6 PM
12 Sep 2020
Saturday

3. Orientation Program 2020:

The online orientation program was held for the new students from 16-09-2020 to 29-09-2020. There were day-long events and motivational speaking sessions to encourage the newcomers. It was a great interactive and informative session for all the students.



The Management, Faculty and Staff
cordially invite you to the inauguration of the
ORIENTATION PROGRAMME

for the Freshmen 2020

September 16, 2020, 02:00 - 03:30 PM

Link to Join the Ceremony - <https://tinyurl.com/srmapinaugural2020>

We are excited to have you embark on the erudite journey

Programme Schedule:



Welcome speech
Prof. V. S. Rao
Vice-Chancellor



Inaugural address
Dr. P. Sathyanarayanan
President



Vote of thanks
Prof. D. Narayana Rao
Pro-Vice-Chancellor



CHOOSE TO
BE MORE



**MOTIVATIONAL
TALK SERIES**

EXPERT PANEL AT INDUCTION PROGRAM FOR FRESHMEN 2020



Dr. Jaya Prakash Narayana
Former Secretary to
Govt. of Andhra Pradesh



Dr. R A Mashelkar, FRS
Former Director General
CSIR & Chancellor
-JIO University



Dr. K. Varaprasad Reddy
Chairman Emeritus
Shantha Biotech



Mrs. Saritha IPS
Additional SP CID



Dr. M.C. Das
Management Consultant
Former Head of Dept Commerce,
Loyola College



Dr. Nv Warlu
Personality Development
Expert & Consultant



Mr. Vivek Bhide
Co-Founder and
Managing Director,
TSL Consulting Private Limited



Mr. VV Lakshminarayana
Former Joint Director, CBI



Ms. Karuna Gopal
President
Foundation for
Futuristic Cities



Mr. Ramesh Loganathan
Professor Co-Innovation/
Outreach at
IIIT Hyderabad



Ms. Anitha Sakuru
Chief Marketing officer,
Platifi solutions

Orientation Program - Academic Year - 2020- 2021

SRM University, AP - Andhra Pradesh

16 Sep (Wed)		2:00 - 4:00				
		Inauguration Address by the President SRM AP, Dr. P. Sathyanarayanan Address by the Vice Chancellor, Prof. V.S. Rao Address by the Pro Vice Chancellor, Prof. D. Narayana Rao				
17 Sep (Thu)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30	4:00 - 4:45
	Address by Deans	Address by HoDs	Academics at SRMAP	LUNCH	Dr. Jaya Prakash Narayana, Former Secretary to Govt. of Andhra Pradesh	Dr. R A Mashelkar, FRS Former Director General CSIR & Chancellor - JIO University
18 Sep (Fri)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30	
	SRMAP, "A Research Intensive University" Prof. Ranjit Thapa	Motivational Talk by Padma Bhushan Dr. K. I. Varaprasad Reddy , Chairman Emeritus, Shantha Biotech	An Overview on Information Technology and Knowledge Management (ITKM)	LUNCH	Motivational talk Dr. M.C. Das , Management Consultant Former Head of Dept. Commerce, Loyola College	
19 Sep (Sat)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30	
	Examinations at SRMAP Dr. Prakash Jadhav	Motivational Talk Mrs. Saritha IPS Additional SP CID	Minor Programs at SRMAP	LUNCH	Student Counselling Dr Smita Sharma	
21 Sep (Mon)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30	
	Semester Abroad Program (SAP) & Higher Studies	Motivational Talk	Campus Life at SRMAP	LUNCH	An overview on Career Development Center by Dr. Srabani Basu	
22 Sep (Tue)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30	
	Orientation on Online classes Prof. Raghunathan Prof. Ranjit Thapa Dr. Murali Krishna	Student Affairs at SRM AP	Next Tech Lab Dr. Jatindra Kumar Dash & Mr. Miran Junaidi	LUNCH	Beautiful Mind, Heartfulness Institute	

23 Sep (Wed)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30
	Techno centric Innovation to value centric mindset. Design thinking Ms. Harshada Manish Kulkarni	How to develop a start-up culture Mr Vivek Bhide	Fun with words Mr. Kaleem & Email Etiquette by Mr. Raju	LUNCH	Designing Destiny Heartfulness Institute
24 Sep (Thu)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30
	Professional Gateway Corporate Relations and Career Services	Motivation Talk Mr VV Lakshminarayana, Former Joint Director, CBI	Cracking your Dream Mrs. Geetha Balasubramanian	LUNCH	Happy New You, Heartfulness Institute
25 Sep (Fri)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30
	Excitement of Science Prof. Kannan V Dr. Jatis Kumar Dash	Role of Students in Building New India Ms. Karuna Gopal President Foundation for Futuristic Cities	Liberal Arts Education - A Holistic Development Dr. Salome Divya Joseph	LUNCH	Know your Department
26 Sep (Sat)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30
	The Excitement of Engineering & Technology	Entrepreneurial Talk Mr. Ramesh Loganathan, Professor Co- Innovation/ Outreach at IIIT Hyderabad	Environmental Awareness Dr. Pankaj Pathak Student mentoring Dr. sathya Pramod Jammy	LUNCH	Vowed and clubbed oath taking of Club and Council Members Student Affairs
28 Sep (Mon)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30
	Excitement of Science Dr. Nimai Mishra Prof. M. Jayaseelan	Entrepreneurial Talk- Ms. Anitha Sakuru Chief Marketing officer, Platifi solutions	Learn Through Public Service & Sports at SRM AP	LUNCH	Quiz..it
29 Sep (Tue)	9:30 - 10:30	10:45 - 11:45	12:00 - 1:00	1:00 - 2:30	2:30 - 3:30
	ITKM-Online Classes	An Interaction with The Vice Chancellor	Interactions between mentor mentees	LUNCH	Interaction with the senior students

4. Meet your Best possible self through positive psychology:

Positive psychology is a great way to understand and cherish oneself. It is practiced within to get to know the best version of yourself. This very encouraging session was held online on 26-09-2020.

5. Techfest (Online Mental Health and Suicide Prevention) - IIT Bombay in association with SRM - AP

On 26-09-2020, an essential online event was held with the association with IIT Bombay. The mental stress and tension among students cause some critical issues sometimes. This online session was to help and rescue the students going through anything bad within their physical and mental environment.



OCTOBER 2020

1. Hacktoberfest:

With the collaboration of SRM AP Next Tech Lab and Ennovab, this online fest took place on 02-10-2020. Participants were able to participate and interact with some great minds throughout this session.



2. Tribute to Mahatma Gandhi: (On the occasion of Gandhi Jayanti)

On this national occasion of Gandhi Jayanti on 02-10-2020, SRM AP gave a humble tribute to Mahatma Gandhi for his great works for India. The event was held on the SRM AP campus with devotion towards Mahatma Gandhi.



3. Webinar (to discuss "Mahatma Gandhiji's Successes and failures")

Dr. T H Chowdary, a Padma Sree Awardee, discussed Mahatma Gandhiji's successes and failures in this online session with everyone. The session was held on 02-10-2020, on Gandhi Jayanti to motivate the students to learn from the great people over time.



4. Debate ("is Gandhi still relevant in the 21st century?")

On 02-10-2020, a special debate happened on Gandhi Jayanti with the topic, "is Gandhi still relevant in the 21st century?". The teams were packed against each other, and this was an informative session for all.

5. ASME Club Activity:

The ASME club of SRM AP held an online activity session on 03-10-2020 to motivate and encourage the participants about this club and work with motivation.

6. Chess Competition:

An online chess competition was held for the SRM AP students on 10-10-2020. It took place to motivate everyone to use their logic and thinking to make the right decision. This was a good interactive online session.



7. The Newsmakers:

Rama Adithya Varanasi, who is doing his research at Cornell University, has won this wonderful opportunity to go from SRM to Cornell with his great mind and thesis.

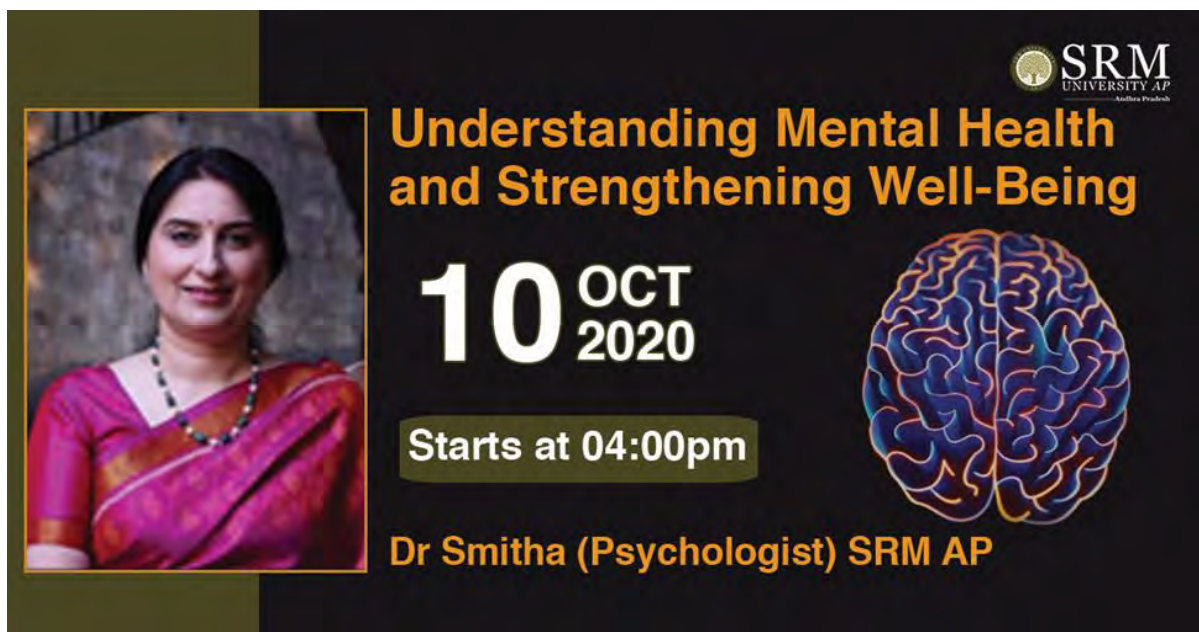
Another student, Krittika Chakraverti, has gotten a job at Google as a Campaign Manager. She has also shared her path from SRM to Google in this newsmaker's session.

With both great achievers, the newsmakers session was held on 10-10-2020.



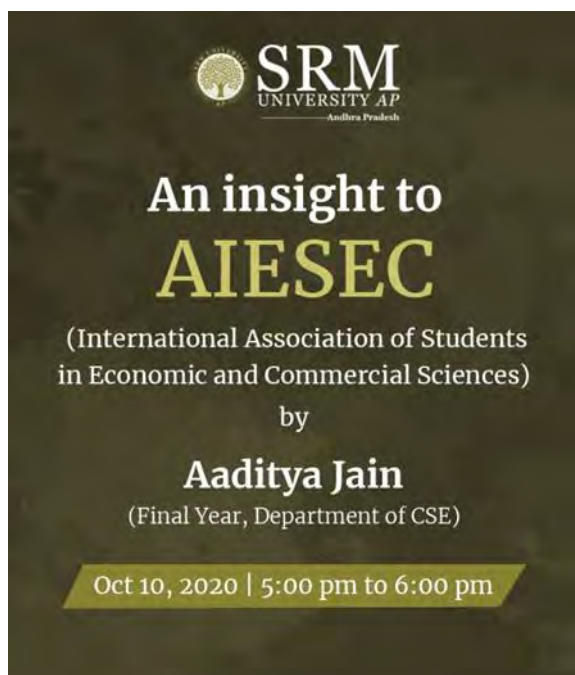
8. Understanding Mental Health and Strengthening Well-Being:

Dr. Smitha took an interactive online session on understanding mental health and strengthening well-being. This session was held on 10-10-2020 among the students to understand and motivate themselves about their psychology and mental well-being.



9. An Insight to AIESEC:

Aditya Jain, a final year student of SRM AP, conducted this informative online session about an insight into AIESEC. AIESEC is an international association that is working among the students to grow them within the economic and social situation. This online event took place on 10-10-2020.

**10. The Trove Heist: (Online Treasure Hunt)**

An online and digital treasure hunt competition took place on 18-10-2022. It was open for all the students to apply their minds and solve tricky questions to reach the final treasure.

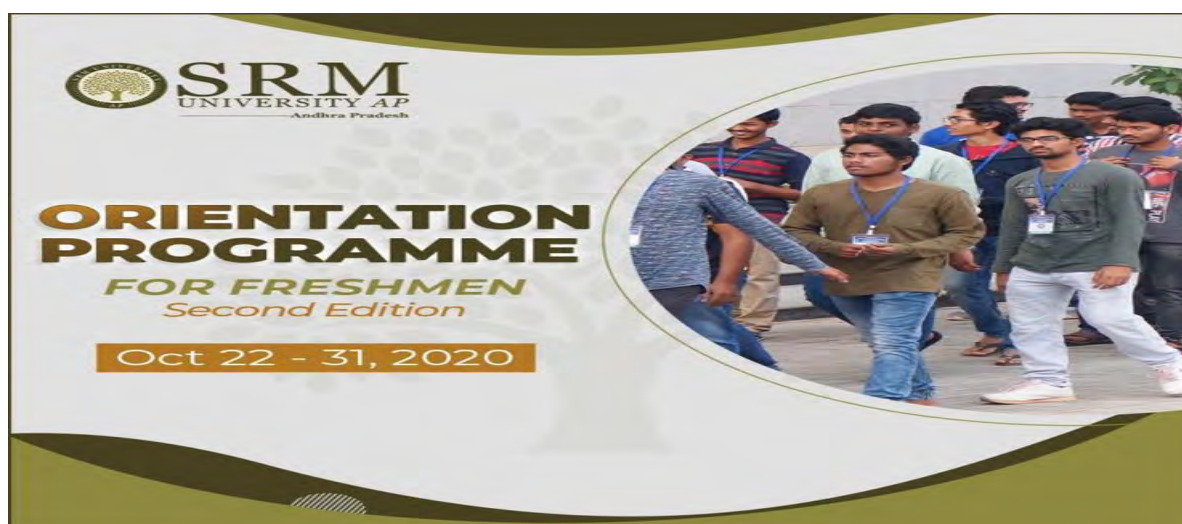


11. SAE Club Meeting

The SAE club of SRM AP held on a meeting on 21-10-2020. This was an online meeting among the members to discuss and plan their activities and future works.

12. Orientation Program for Freshman (Second Edition)

After the first edition of the orientation program that was held in September, SRM AP had its second edition of this program from 22-10-2020 to 31-10-2020. This event took place to motivate and encourage the newcomers to become the best version of themselves.



13. Natyaswara (An inter-college competition for dancing and singing competition)

This was an online cultural competition for all the students of SRM AP to show their talents and caliber to everyone. There were two segments of the event. The first one was the singing competition that happened on 23-10-2020. And the second one was a dancing face-off on 24-10-2020. Students enjoyed and participated in the events with huge enthusiasm.



NOVEMBER 2020

1. Quiz Competition - (4 PM to 5 PM) (Total 229 students have participated)

An online quiz competition was held on 07-11-2020 to make the participants discover their inner talent. A total of 229 students participated in that competition.

2. Diwali Photography Competition:

On the beautiful occasion of Diwali, there was a photography competition that took place among everyone in SRM AP. This competition was held on 14-11-2020 and was conducted by the SRMAP Photography Society.



3. Dream Car Design Contest: (SAE Club)

The SAE Club of SRM AP conducted a dream car design contest for which the Last Date for submission was 13/11/2020. The winners were announced on 15/11/2020. It tested the potential designing ideas of the students.



4. Placement Meeting with students and parents:

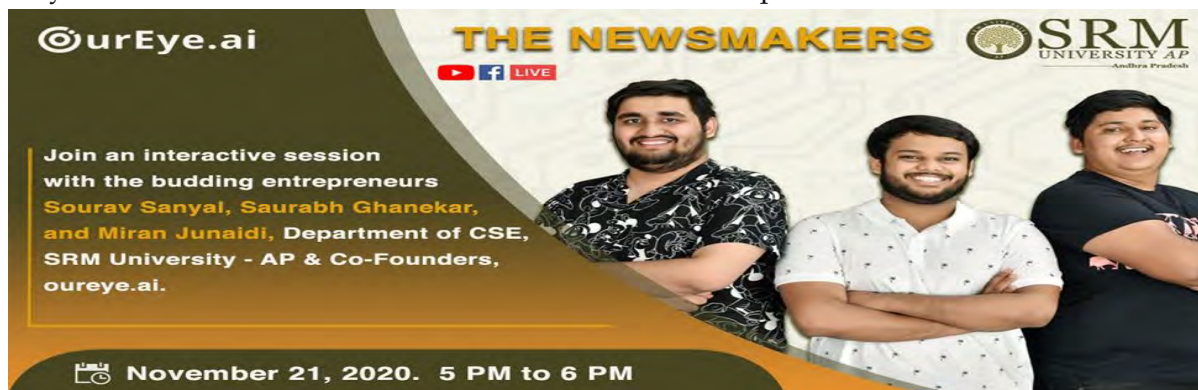
From 11-11-2020 to 20-11-2020 SRM AP had its placement meeting with the parents and the students. This meeting was conducted to make everyone understand what the placement cell is doing for the students and what role should the students play.

5. Session on Google Classroom:

Dr. Murli Krishna, Assistant Professor of the CSE Department, took a Google Classroom session on 18-11-2020 to make the students know how to use Google Classroom for education purposes.

6. The Newsmakers:

On 21-11-2020, this online session on budding entrepreneurship took place with Sourav Sanyal, Saurabh Ghanekar, and Miran Junaidi. They interacted with the students about how they have found the whole idea and what are their future plans.



7. Workshop on Literary Club:

The Department of Student Affairs along with SRM AP Literary Club organized a workshop on Literary Club on 22-11-2020 to make the participants understand the importance of Literatures in our daily lives and how we can work on it further.

8. The Newsmakers:

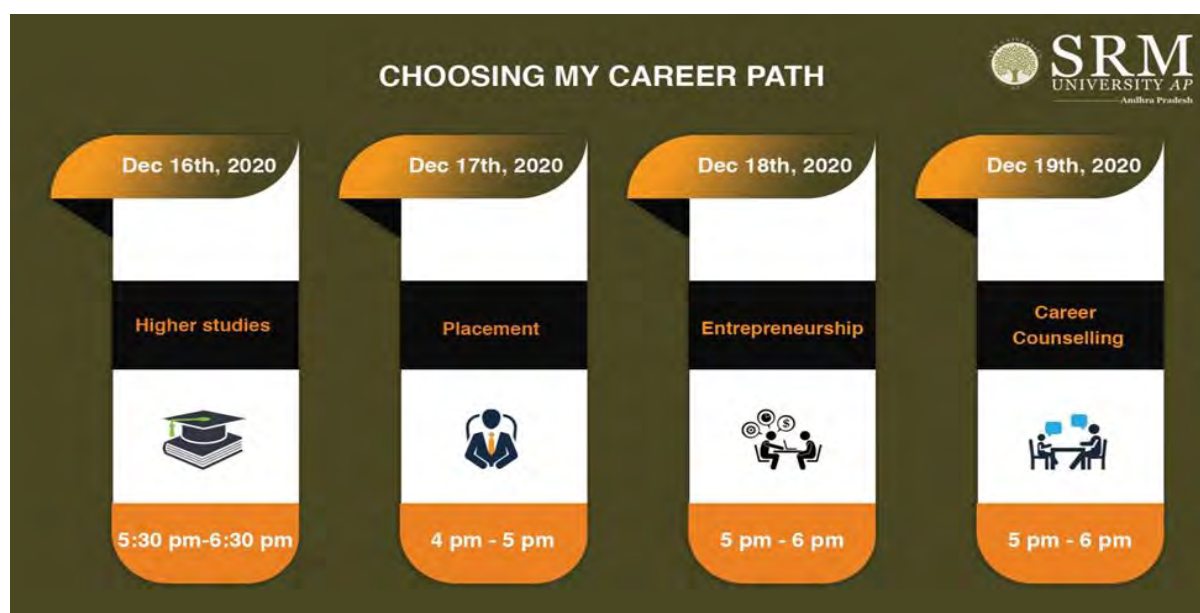
Dr. Imran Pancha, Assistant Professor of Biology Department got recognition by the Stanford University Researchers. Only 2% of scientists around the world get this rare recognition. He shared his experience and feelings with everyone on this online newsmaker's session on 28-11-2020.



DECEMBER 2020

1. Choosing my career path:

This interactive and informative career choosing online session took place from 16-12-2020 to 19-12-2020. These sessions included consultations about Higher studies, Placements, Entrepreneurship, and career council. It was indeed an important session for all the participants.



2.The Newsmakers:

Venkata Sai Nithith secured a dream internship at Amazon. He shared his experience and journey throughout the way on 19-12-2020 with everyone.



3. Christmas Eve Celebrations

On the happy occasion of Christmas, there was a celebration that took place on the eve of Christmas on 24-12-2020. The ceremony included Cake cutting and a great speech session from the administration. SRM AP conducted games for the staff and given gifts to the winners.





4. Orientation session on social media

This online session took place on 24-12-2020 with an association with the Career Ambassadors. It was devoted to the students of SRM AP, and everyone enjoyed this interactive session.

5. Competitions for New Year 2021

On this happy occasion of New Year, SRM AP arranged some interactive activities to welcome the new time and year. There were various indoor and outdoor sports activities took place by the students and the faculties.

The activities and their dates are the following:

Table Tennis on 30-12-2020

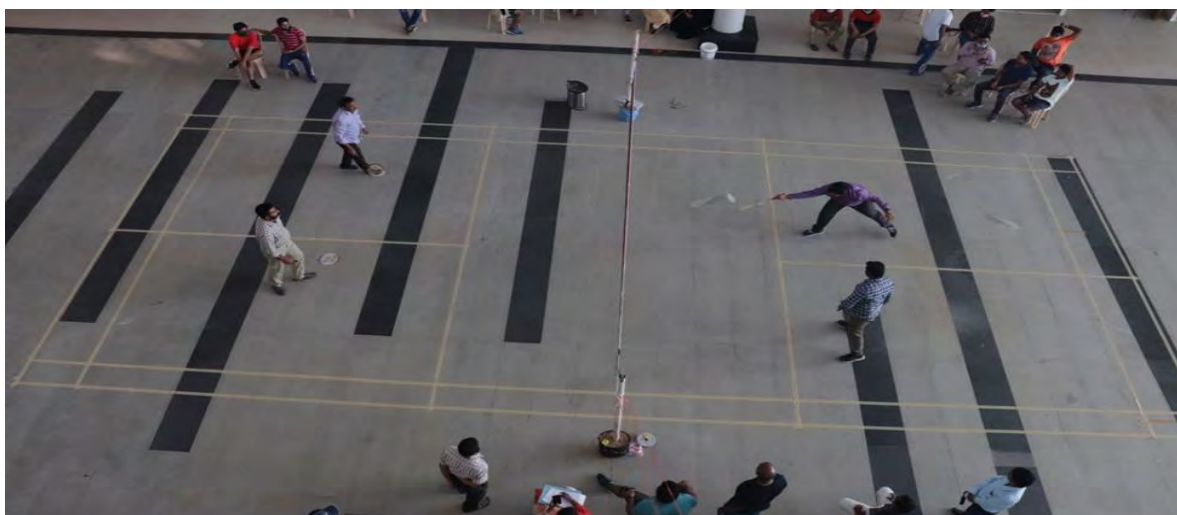
Box Cricket on 30-12-2020

Badminton on 31-12-2020

Basketball on 31-12-2020

All these indoor and outdoor sports activities were participated by faculties and students.





At last, there was a movie screening on 31-12-2020 for everyone. The movie was 'Kung fu Panda.'



January 2021

1.New Year Celebrations: (Cake cutting & Prize distribution)

On the happy occasion of New Year, SRM AP had a celebration ceremony on 01-01-2021. It consisted of a cake-cutting, and distribution of the prizes to the previous day's competition winners.



2. Codechef Webinar - (How to get started with competitive coding) - Codechef SRM AP Chapter

A very informative webinar took place on 02-01-2021. It was conducted by Codechef SRM AP Chapter. It consisted of the matter of How to get started with competitive coding.



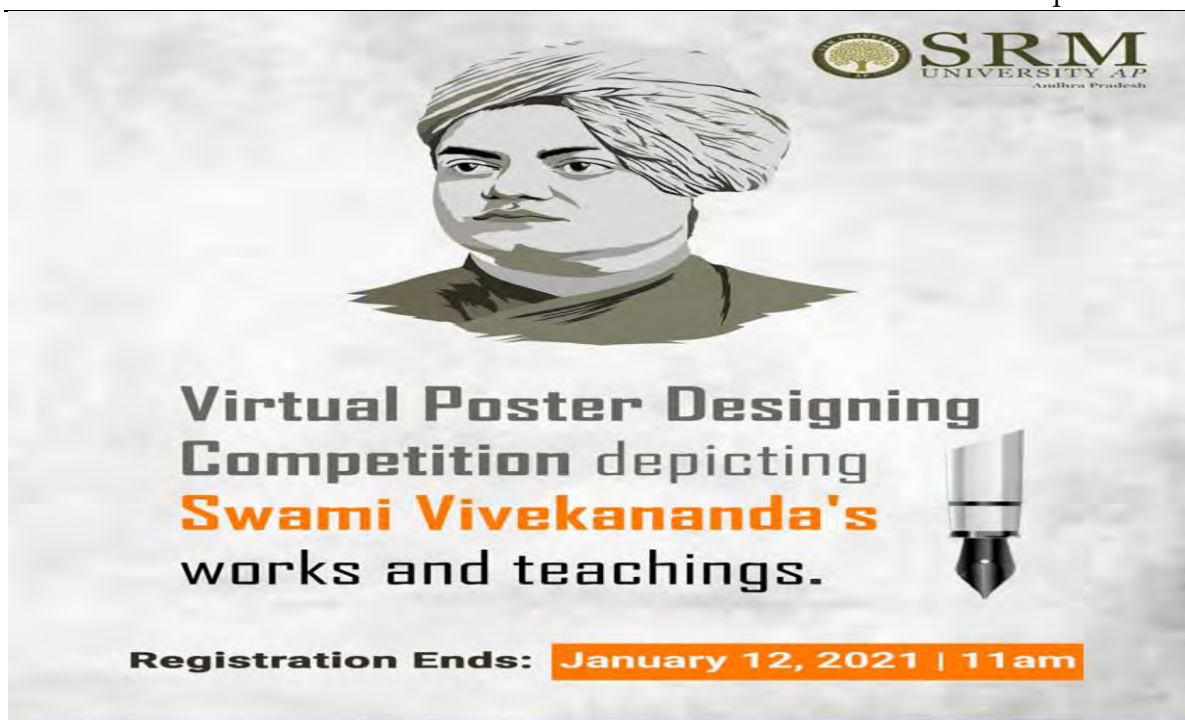
3.The News Makers:

On 09-01-2021, this interactive newsmaker session went online with Harsha & Mahesh from the ECE department. They have won the Hackathon (iAlpha Hackathon) and had an interaction session with the other students.



4.National Youth Day Celebrations:

On the occasion of National Youth Day, SRM AP celebrated it with full enthusiasm on 12-01-2021. This day was filled with various activities. The ventures were the following:



- A) Virtual Poster Designing Competition Depicting Swami Vivekananda's like and works.
B) Poetry Recitation Competition in which participants recited Swami Vivekananda's poems.



- C) Webinar - (The Life and Legacy of Swami Vivekananda)



The **Life** and **Legacy** of Swami Vivekananda



Speaker
Dr Malavika Binny
Assistant Professor, History

January 12, 2021 | 01 - 1:45 pm

5. The Newsmakers:

Four students from the ECE department have secured an international industry internship at EION Inc. Canada. They are, Agniswar, Abirami, Yoganand, and Parshal. The interactive newsmakers session took place on 16-01-2021.



The Newsmakers



Join an interactive session with **Parshal, Agniswar, Yoganand and Abirami** on being selected for the International Industry Internship at EION Inc, Canada.



January 16, 2021
5 PM to 6 PM.



Parshal



Agniswar



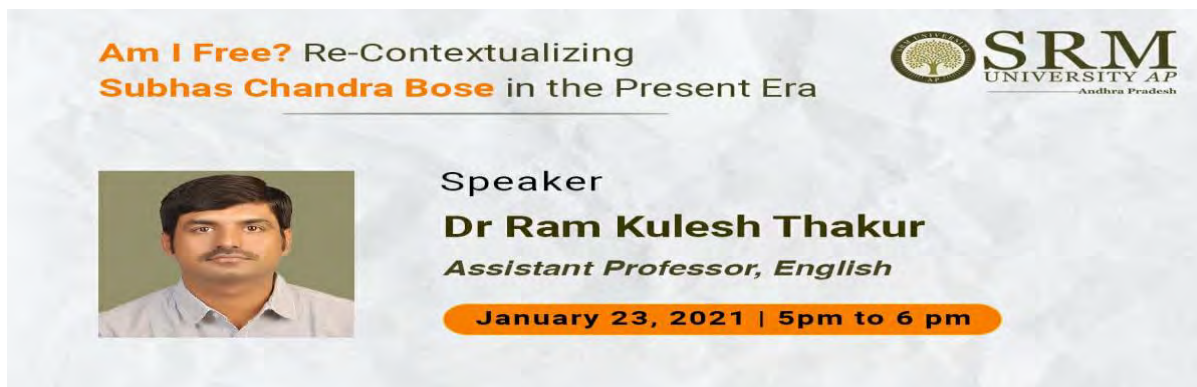
Yoganand



Abirami

6.Webinar: (on Netaji Subhash Chandra Bose Birth Anniversary)

Dr. RamKulesh Thakur, Asst. Professor of English has conducted this informative webinar on Netaji Subhash Chandra Bose Birth Anniversary for all the students and faculties. This online session took place on 23-01-2021.



Am I Free? Re-Contextualizing Subhas Chandra Bose in the Present Era

Speaker
Dr Ram Kulesh Thakur
Assistant Professor, English

January 23, 2021 | 5pm to 6 pm

7.Republic Day Celebrations:

On 26-01-2021, the 72nd Republic Day of India of celebrated in SRM AP with various activities. All the management, faculties, students, and staff were invited to it. The activities included:



Invitation

The Management, Faculty, Staff, and Students of SRM University, AP Cordially invite you to the

72nd Republic Day Celebrations

Prof. D. Narayana Rao
Pro Vice-Chancellor, SRM University - AP

has kindly consented to hoist the National Flag and deliver Republic Day address

in the august presence of
Mr. Ernest Samuel Ratnakumar
Registrar, SRM University - AP

Date & Time: 26. 01.2021 (Tuesday) at 9.30 am
Venue: SRM University, AP Campus

Programme Agenda

8.30 am - 9.30 am	- Rangoli Competition for Women Fun games for Children
9.31 am - 9.33 am	- Recieving the Chief Guest by Registrar
9.34 am - 9.35 am	- Introduction
9.36 am - 9.42 am	- Inviting the Chief Guest to hoist the National Flag followed by National Anthem
9.43 am - 9.53 am	- Address by Chief Guest, Prof. D. Narayana Rao, Pro Vice-Chancellor, SRM University - AP
9.54 am - 10.15 am	- Prize Distribution - Rangoli Competition - Fancy Dress Competition - Lucky Draw
10.16 am - 10. 30 am	- Cultural Events
10.31 am onwards	- Special Breakfast

A) Rangoli Competitions for Women.

B) Flag Hoisting by the Chief Guest.

C)Address by Chief Guest.

D)Felicitation of Faculty members for their research contribution in Nature Index Ranking - 2020.

E) Giving Prize Money to Rangoli Competition Winners.

F) Fancy Dress Competition for Children.

G) Giving Gifts to the Lucky Draw winners.

A) Rangoli Competitions for Women:



B) Flag Hoisting by the Chief Guest:



C)Address by Chief Guest:



D)Felicitation of Faculty members for their research contribution in Nature Index Ranking -2020



E) Giving Prize Money to Rangoli Competition Winners:



F) Fancy Dress Competition for Children



G) Giving Gifts to the Lucky Draw winners



8. Konnections (Story Writing Competition)

On 30-01-2021 an interesting and informative story writing competition took place where the participants wrote stories and shared them with all.

FEBRUARY 2021

1.The Newsmakers:

This online newsmaker session took place on 06-02-2021. It was about Sanjana Vadapalli who has successfully completed level 8 certification from Trinity College of London in singing. This interactive session was about her experience and journey.



TRINITY
COLLEGE LONDON

THE NEWSMAKERS



SRM
UNIVERSITY AP
Andhra Pradesh

Join an interactive session with

Sanjana Vadapalli

She has completed her **Level 8 Certification** from
Trinity College of London in Singing



Saturday, February 6, 2021 | 4 pm - 4:50 pm





LIVE

2. Inauguration of Business Voyage:

On 06-02-2021 A club by BBA students organized the inauguration session of the business voyage. The key speaker was Vino Supraja, who is a fashion designer. There was a competition called 'Marketing Geeks' followed by the address.



3. ALOHA - (Competitions for Fresher's):

On 13-02-2021, in this interesting and interactive online session, the freshers had their chance of being welcomed to this institute with Aloha, the welcome function for freshers. There were activities organized by the SRM AP Student Council.

The activities were the following:

-The SRM Matrix-



The live icebreaker event was in the form of a Scavenger Hunt. Those competing in this competition received a discord link to a channel that belongs to their respective team. The answers to the riddles and hints given come from various SRM related sources that must be figured out (ex. Instagram, Youtube, Linkedin, Twitter, Website, Facebook, Student portal).

-Grab N' Get

-Meme Contest



-Mic Drop

-Never Have I Ever

The Open Mic competition was an opportunity for the Freshman Class to exhibit their unique comedy, or so on, it is talents and abilities that may be singing, mimicry, stand-up, comedy etc.



-Mr/Ms. Fresher

-Fun Trivia



A quiz of 5 different rounds. Each round consists of 10 questions and the time required to answer a single question is 20 seconds Themes for the 5 rounds:

First-round - General Knowledge (exclusively based on events occurred during lockdown)

Second round - Sports

Third round - Movies (English/Hindi)

Fourth round - Picture identification (Monuments)

Fifth round - Pictionary using Emojis (movie names/cartoon characters)

Process: Kahoot, Zoom

4. The Newsmakers:

Ms. Khushboo Sharma, who secured a dream internship in Adobe India as a product intern. This online session was to interact with her about her journey and experience. It took place on 20-02-2021.



5. Panel Discussion: - "The future of science is faster and exciting than you think"

A very interactive and informative panel discussion took place on 27-02-2021 with very talented faculties of SRM AP. This panel discussion focused on the future of science and how its growth is affecting the world.



6. Online Science Quiz: - (on National Science Day)

On this beautiful occasion of National Science Day, on 27-02-2021, there was an online quiz competition organized for the students. Students participated in this with huge enthusiasm.

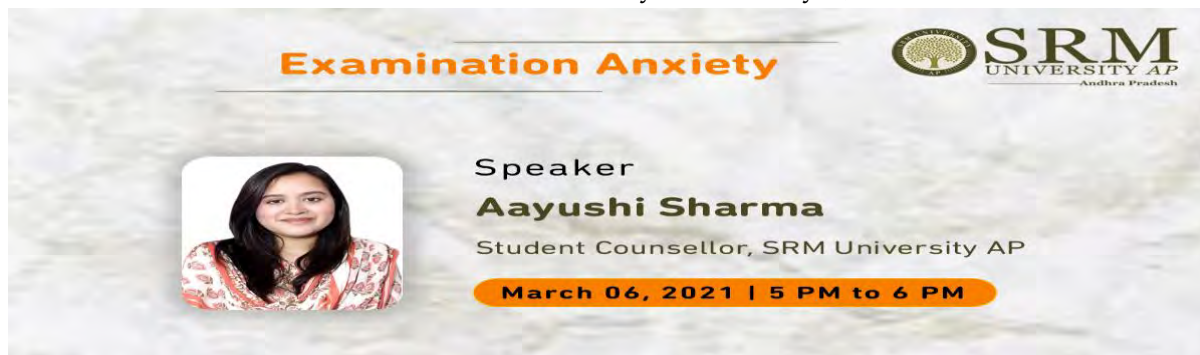


March 2021

1. Counseling session Examination Anxiety:

Date: 06-03-2021

The new student counsellor MsAayushi Sharma was introduced to the students and along with it she took a session on Examination Anxiety followed by Q and A session



2. International Women's Day Celebrations - 2021

Date: 08-03-2021

International women's day was celebrated in the University with a day long program. Earlier in the week games in different categories were conducted for students who are in the campus, Faculties, Non-Teaching staff, Housekeeping, and landscaping ladies. The games varied from lemon and spoon race to hitting the target. For the housekeeping ladies' magic square was conducted.

On the morning of 08th March at 10.am, NSS of SRM AP with the support of the medical team of the University conducted a medical camp. The camp was inaugurated by Mrs.Parvathi

W/O Vice Chancellor Prof VS Rao. Mrs. Padmapriya W/O Registrar also was present at the occasion. Dr LaksmiRajyam with her medical team was present. After addressing the gathering, the check up for the ladies started. Height, Weight, BP, Blood sugar, Temperature and Saturation was checked. And advice was given to the ladies on the basis of the medical condition.



In the afternoon all the ladies joined in together and cut the cake. In the ethnic attire the ladies and the students looked dressed up for the day.



Prizes were distributed to the winners of the games which were conducted on the eve of women's day.



A webinar by Dr Penna Krishna Prasanthi on the topic “what Covid 19 teaches us about women’s mental health” was organized at 11.30am

TOPIC



SRM
UNIVERSITY AP
Andhra Pradesh

What Covid-19 teaches us about women's mental health

SPEAKER

Dr. Penna Krishna Prasanthi MD, FICP, FIAMS, FRSSDI

- Chairman, Academy of Medical Specialists (AMS), Indian Medical Association Andhra Pradesh State
- Vice Chairman, Women Doctors' Wing (WDW) of Indian Medical Association Andhra Pradesh State
- Vice Chairperson, Association of Physicians of India (API), Andhra Pradesh State
- Honorary Treasurer, Research Society for the study of Diabetes in India (RSSDI) Andhra Pradesh Chapter



MON | MAR | 11 AM
DAY | 08 | 30

Anu Hasan's "The mantra for success" webinar was very well received by students, staff, and faculties. An Actress, Entrepreneur, Presenter, Writer, Motivational Speaker spoke about following the passion.



Ms Anu Hasan

Actress, Entrepreneur, Presenter, Writer, Motivational Speaker

Happy Women's Day

The Mantras for Success

March 08, 2021 | 03:10 pm - 03:30 pm

A panel discussion on women's day on the topic work, women and pandemic was organized.



Panel Discussion

Work, Women and Pandemic

March 8, 2021 | 4 PM to 5 PM

Moderator		Speakers		
				
Dr. Salome Divya Joseph Department of Psychology	Dr. Jayasree Subramanian Department of Mathematics	Dr. Arundhati Ghanwar Department of ITKM	Dr. Srabani Basu Department of English	Dr. Malavika Binny Department of History

3.Uttam Pratibha Mahila Awards Distribution:

Date: 20-03-2021

To encourage the working ladies not on the rolls of SRM AP, Prof VS Rao foundation an initiative by the Vice Chancellor, Seven ladies from housekeeping, Mess, landscaping and catering were felicitated. The award UttamPrathibaMahila was conferred on Mrs Salma for catering, Mrs Nagamma for Mess Service, Mrs Nirmala for land scaping and from the housekeeping division it was given to Mrs Prasanthi, Mrs Usha Rani, Mrs Sandhya Rani, Mrs Jayamma.

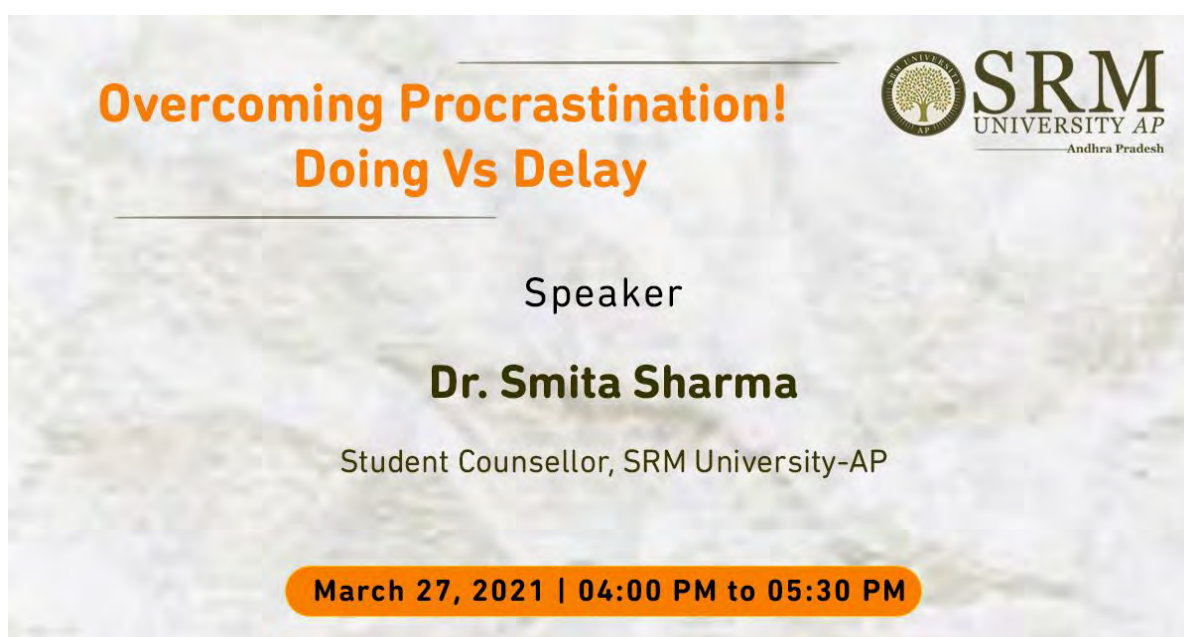




4. Session on Overcoming Procrastination: By Dr. Smita Sharma - Student Counsellor - SRM AP

Date: 27-03-2021

An informative and interactive online session took place on 27/03/2021 by Dr. Smita Sharma, the Student Counsellor of SRM AP. She explained what the science behind procrastination is and how one can overcome it. The students were delighted to be a part of such an active session.



INNOVATION, DESIGN AND ENTREPRENEURSHIP ACADEMY (IDEA)

SRM University-AP, Andhra Pradesh established the 'Innovation, Design and Entrepreneurship Academy (IDEA)' as part of the strategic alliance with UC Berkeley to create an academy combining their Sutardja Center for Entrepreneurship and Jacob Center of Design and Innovation to foster the culture of innovation, design, and entrepreneurship among the students of all streams including engineering, liberal arts and sciences, and management. The students will find the programs exciting, working in the labs and maker spaces, developing prototypes, interacting with best of entrepreneurs and industry leaders, initiating, developing and pitching-in an idea before venture capitalist for start-ups. The students will also be provided with start-up funds, incubation, and connections across the globe.

Technology Business Incubator of SRM University-AP launched the first venture cohort with 36 selected start-up business ventures, on May 15, 2021, in the presence of the special guest of honour from industry, Prof Ramesh Loganathan, Head of Co-innovation and Outreach at IIIT Hyderabad and Ex-Chief Innovation Officer of the Telangana State Innovation Cell (TSIC).

Advancing the proceedings of the event, the guest of honour Prof Ramesh Loganathan gave a brief understanding of the scope and future of entrepreneurship in India and the global scenario. "The entrepreneurial journey should start with identifying the problems in the ecosystem. A great example can be the face recognition software that started with the idea of capturing student attendance in colleges. Similarly, the budding entrepreneurs should identify such similar problems, do thorough market research, and then prepare the business plan. The price of the product/idea should matter the last."

A total of sixty-two teams, which comprises 192 students applied for the opportunity. After rigorous screening and evaluation on various parameters like innovation, scalability, and commercialization, 36 teams/ ventures were selected to be a part of the SRM TBI's first cohort. The selected ventures will be mentored and supported for a period of a minimum of 12 months where they will be facilitated with infrastructure support, mentoring and networking support, seed fund, and innovation fund support, hardware and software support, industry connectivity, learning resources, market exposure and several others.

The following lists the activities of IDEA

9th Nov 2020: Registration of MHRD IIC

11th Nov 2020: Incubator Visit - KLU-TBI Visit

13th Nov 2020: Industry Visit - APSSDC and APIS Visit

2nd Dec 2020: Leadership Workshop - Unleash the Leader in YOU (Workshop)

9th Dec 2020: Ecell Foundation Created - SRM E-Cell Play Book

18th Dec 2020: Leadership Workshop -Choosing My Career Path

4th Jan 2021: Industry Visit: Collaboration Meeting - Fopple Drone Pvt Ltd

23rd Jan 2021: Launch of Entrepreneurship Modules - IDEA 104 Launched

27th Jan 2021: Leadership Workshop - Guest Lecture - Sriram: Isthriwala.com

19th Feb 2021: Entrepreneurship Board from the University formed - Constitution of EIIC

15th March 2021: Ideation Contest - Smart Idea Contest - TBI

23rd March 2021: Training Session for Ecell Leaders - Induction about SRM Ecell

25th March 2021: Leadership Workshop - Theta Waves - 10x Focus

LAB EQUIPMENT AND INSTRUMENTATION

The following list includes some of the major instruments available

Sl. No.	Department	Name of the equipment	Company
1	Electronics and Communication Engineering	ELVIS II+ (35 numbers with Multisim)	National Instruments
2	Mechanical engineering	CNC Milling Machine	Bhavya Machine Tools
3	Mechanical engineering	CNC Lathe	Bhavya Machine Tools
4	Physics	X-ray diffractometer	PAN Analytical
5	Physics	LCR meter	Keysight Technology
6	Physics	High temperature furnaces	Ants Lab (Indian made)
7	Physics	Spectrometer	TECAN microplate reads
8	Physics	Globe box	VGard
9	Physics	Fume Hood	Indian make
10	Chemistry	X-ray diffractometer	PANalytical
11	Chemistry	Microplate reader (UV-Vis and PL)	TECAN
12	Chemistry	GC-MS	Perkin Elmer
13	Chemistry	Glove Box	Ex-Vigor Tech
14	Electrical and Electronics Engineering	Mixed signal oscilloscope	Yokogawa
15	Electrical and Electronics Engineering	Voltage probes	Yokogawa
16	Electrical and Electronics Engineering	Current probes	Yokogawa
17	Electrical and Electronics Engineering	Function generator	Yokogawa
18	Electrical and Electronics Engineering	Digital desktop multimeter	Yokogawa
19	Biology	CO ₂ Incubator	ESCO
20	Biology	Concentrator Plus	Eppendorf
21	Biology	Refrigerated Centrifuge	Thermo Scientific, REMI, NEYA16 R
22	Biology	Double distillation unit	Quartz
23	Biology	Spectrophotometer	Thermo Scientific, Systronic
24	Biology	PCR Machine	BIORAD
25	Biology	rtPCR Machine	BIORAD
26	Biology	Milli Q	Evoqua
27	Biology	Shaker Incubator	YOGA EIS-45
28	Biology	Fluorescent microscope	Olympus

LIBRARY

Library resources collection during the academic year

The major activities of the central library between July-2017 to May-2021 are described here

Sl. No	Particulars	A.Y. 2017-18	A.Y. 2018-19	A.Y. 2019-20	A.Y. 2020-21	Total
Library Collection						
1	No. of volumes	6567	8857	3332	237	18993
2	No. of Titles	695	1541	400	120	2756
3	No. of E- Books (DELNET & JSTOR, OA)	3390	3460	3460	8985	9406
4	No. of E- Journals (Including DELNET OA)	5510	8675	8675	8675	10290
5	No. of Print Journals & Magazines	6	98	98	98	98
6	Periodicals (Dailies)	7	14	14	17	17
7	C.D/DVD ROM	345	41	21	54	461
8	Institutional Membership	5	7	8	8	8
Membership						
9	Staff & Students	290	1120	1005	1056	3471

6 Initiatives

6.1 Institutional Memberships:

SRM University A.P - Amaravati Library has taken 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)
- Member of E-Sodh Sindhu Educational Consortium
- E-SodhGanga.
- INFLIBNET
- Urkund
- IRRO
- NPTEL/Swayam.

6.2 e-Shodh Sindhu Consortium Membership.

The main objective of the e-Shodh Sindhu: Consortia for Higher Education E-Resources is to provide access to qualitative electronic resources including full-text, bibliographic and factual databases to academic institutions at lower rates of subscription to universities, colleges and centrally funded technical institutions in India.

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

The SRM University A.P Amaravati subscribes most reputed Online Journals are:

- a) IEEE online journals (IEL Package) which provides 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) Developing Library Network (DELNET). A database which provides 3700 full e-Books, 5000+ e journals
- d) DOAJ (Directory of open Access Journal Free access)
- e) DOAB (Directory of open Access Books Free access)
- f) MathScinet (A Mathematical review database having more than 3.5 million items from 1800 Journals)
- g) EPW Access to Electronic and Political Weekly digital journal.

7. Library services**7.1 Reprographics Facilities.**

Provides for the personal use of users the 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 (only 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. 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 3471 approximately.



7.7 Other Services

- a) Separate research-oriented books collection.
- b) Database Search through DELNET & INFLIBNET.
- c) Resource Sharing/ Inter Library Loan.
- d) New arrivals information.
- e) Open Access Facilities for Textual Documents.
- f) Reference Books Section.
- g) Journals of National and International repute.
- h) Cambridge Dictionary Online
- i) Cafeteria attached with the Central Library.

8. Other Initiatives during the A.Y 2020-21:

8.1 University Library has subscribed MathScinet: It's a Mathematical review database having more than 3.5 million items from 1800 Journals.

8.2 University Library has subscribed EPW online journal.

8.3 Shibboleth Remote Access: The Central Library initiated & implementing the Shibboleth Remote Access (IDP) platform (with the technical support of ITKM department) which

support to the University patrons get access University subscribed online resources remotely during the Covid-19 pandemic time.

8.4 The Central Library implementing (with the technical support of ITKM department) URKUND anti plagiarism software. URKUND is a completely automated system against plagiarism (Anti-plagiarism software) and is being successfully used at universities and colleges all around the world, URKUND's system checks all documents against three central source areas: The Internet, published material such as journals, books etc. previously submitted student material (e.g., memoranda, case studies and examination works).

8.5 University central library has renewed Indian Reprographic Rights Organization License (for the period of Jan-2021-Dec2021) which allows up to one chapter of any copy righted publication (Book chapters, journals article etc.)

8.6 During the Covid-19 Pandemic time the central Library has provided the following online resources and services with voluntarily support of the reputed publishers:

1. Cambridge University Press enabled wonderful Cambridge Collection of 700 books access to SRM - AP through Library.
2. One of reputed publisher's Springer enabled access more than 400+ expensive to the SRM-AP during lockdown.
3. McGraw Hill provided - Complimentary access set up for Access Engineering e-books collection & Express e-Library model collection to the SRM-AP Central Library to support during the pandemic period.
4. Access to free articles from International Journal of Microwave and Wireless Technologies.
5. Access provided for published articles and news related to Covid-19.
6. Pearson publisher's provided hundreds of e-books access to our university for one month as trial access in view of Covid-19 pandemic situation.
7. Shared about the collection of 20 Reputed Publishers Open Access list of Journals to access at free of cost.
8. Reputed publisher Wiley provided e-books access to SRM-AP for one month.
9. Shared about 400 rare great world books available for reading through online.
10. Provided user Id & Password to access IEEE online journals articles remotely for the university patrons.
11. Provided remote access to JSTOR online journals articles for the university patrons.
12. McGraw Hill publisher provided hundreds of e-Books access to the University users.
13. Reputed publisher "Wiley" provide e- books IP Based Access to the University for one month.
14. Shared with University users Swayam Prabha & NPTEL video lectures related all courses for the benefit of users.
15. The Library staff has prepared the list of open access e-journals & e-books sites and send it to all users for their reference.

9. Workshops/seminars/conferences/training programs attended by Library staff members at recognized academic institutions:

- We participated in few distinguished Lecture series time to time conducted via online by SRM University- A.P – Andhra Pradesh.
- We participated many online webinars, workshops and few Faculty development programmes which related Library profession and enhance professional career and support to improve library in house functions skills during the Covid-19 period.

10. Future Plans/Proposals:

- ❖ The Library Advisory Committee proposed to procure e-books for Central Library. Accordingly, we are planning to subscribe e-books (perpetual or annual subscription model) from reputed publishers like Cambridge University Press, Springer, Wiley, McGraw-Hill, Sage, and Pearson etc.
- ❖ The University Library plans to procure Standard Online Journals and Databases i.e., ELSEVIER, SPRINGER, ASME, ASCE, ACM, AIP, NATURE, RSC, EBSCO, AND SCOPUS etc.

UNIVERSITY'S STAND AGAINST COVID-19

Constitution of COVID-19 SOP Committee

Immediately after the COVID-19 breakdown, the university constituted a COVID-19 SOP Committee with reputed professors, doctor, administrative and technological support staff as its members. The COVID-19 SOP Committee is closely watching the situation and depending on the Government circulars on COVID-19, recommended several precautionary measures to prevent the occurrence of COVID-19 within the campus as well as sensitised students, faculty, and staff members to avoid the COVID-19 elsewhere also. The continuous monitor of health status at the entry and exists of the campus, regular check-up was conducted. The University medical team conducted on-campus vaccination drive to the students, faculty, and staff members.

The following lists the COVID-19 SOP Committee members,

Sl. No	SOP Committee	Department	Designation
1	Prof. Jayaseelan Murugaiyan	Prof. & Head, Department of Biology / Biotechnology	Chairman
2	Dr. A. Lakshmana Rao	Asst. Prof & Coordinator, Department of Commerce & NSS Officer	Member
3	Dr. Shoji D. Thottathil	Asst. Prof., Department of Environmental Sciences & Hostel Warden	Member
4	Dr. Imran Pancha	Asst. Prof., Department of Biology/Biotechnology	Member
5	Dr. Sutharsan Govindarajan	Asst. Prof., Department of Biology/Biotechnology	Member
6	Dr. G. S. Vinod Kumar	Assoc. Prof., Department of Mechanical Engineering	Member
7	Prof. Jesse Deutsch	Professor, Department of Mathematics	Member
8	Prof. Priya Ranjan	Professor, Department of Electronics and Communications Engineering	Member
9	Dr. Deepak Kachave	Asst. Prof., Department of Computer science and Engineering	Member
10	Dr. Bhamidi Lokeshgupta	Asst. Prof., Department of Electrical and Electronics Engineering	Member
11	Dr. Lakshmi Rajyam	University Medical Officer	Member
12	Wg. Cdr. S. Venkatachalam	Director - Campus Life & Management.	Member & Convener

DIGITAL PLATFORMS ACTIVITIES

Responding to the disruption in academics, in less than a week SRM AP has proactively joined what might be the world's largest remote learning experiment. Given its infrastructural adequacy and openness to new technology, SRM AP could come up with the online classes in a limited window of time. To minimize the adverse impact of the outbreak on the learning graph of the students, SRM AP has collaborated with Zoom Platform where they host online classes to ensure that the academic progress of the students do not get compromised.

Faculty members are preparing online polls, quizzes, and assignments to engage the students. Moreover, various LMS platforms - GSuite Classroom, Moodle, etc. are being used by the faculty to share the reading materials with the students. SRM AP has developed an exclusive helpdesk for faculty and students to reach out to, regarding any support regarding the online classes. Regular feedback is sought from students and faculty members to enhance the learning experience through online classes.

The various features of the online classes through Zoom include:

1. The teachers have redesigned their lectures, considering the limitations of a virtual classroom.
2. The Learning Management System, Chats, Polls, Digital Pads, etc. are being used to make the session productive and interactive.
3. Virtual Labs are also being set for the benefit of students.
4. Faculty members prepare video lectures and upload to Google classroom. Discussions of the lecture materials are held through Zoom Platform. Some also conduct remote teaching.

Online Examination

- Online exam portals for various entrance exams of UG / PG / PHD were developed using *Moodle platform* and supported the admissions process for **450+ candidates**
- Career Development Center's online exam for senior students **2500+** and First semester students of **1000+** were conducted through *Moodle platform*
- University has signed up with *DigiProctor- Online examination platform with proctoring facility* and conducted End Semester exams for all students

Learning Management System

- *Google classrooms* were extensively used by the faculty to post the online course content, host quiz and assignment for online assessment on learning outcomes
- Online Labs – video shoots were conducted for various lab sessions and facilitated the students online for enriched practical learning and understanding

Online Remote access to Database

University has coordination with INFLIBNET, and enabled Global Standard Shibboleth based access by setting up exclusive IDP server for SRMAP such that all the publishers to authenticate and provide remote access to databases

- Jstor
- MathScienet

Software

Facilitated the campus license software for

- Matlab
- Solid works
- Adobe cloud suite
- Deployed Urkund – Anti-Plagiarism system

Helpdesk Service:

- Conceptualized the process and rolled out ITKM helpdesk services as single point of IT services.
- Automated the helpdesk processes and Launched Manage Engine's Service Desk Ticketing system with 20 Technician Licenses to address all user queries and service requests with SLA standards.

The relentless effort and commitment of all the faculty members and staff to make this endeavour successful was apprehended, and students undoubtedly reaped the benefits.

This pandemic compelled to revolutionize the pedagogy to mitigate the challenges, which is also believed to shape the future of education. The University firmly believes that it will emerge as a more equipped educational system by the end of this pandemic.

Citation:

SRM University – AP, Andhra Pradesh, Annual report 2020 -21

Compiled and edited by

Prof. Jayaseelan Murugaiyan, Department of Biological Sciences,
Annual Report Committee Chairman

Dr. Jaya Lakshmi Tangirala, Department of Computer Science and Engineering

Dr. Manjula R, Department of Computer Science and Engineering

Dr. V Sateeshkrishna Dhuli, Department of Electronics & Communication
Engineering

Dr. Jatis Kumar Dash, Department of Physics

Dr. Rajini, Department of English

Photos: Mr. Hemanth Kumar, Photo / Videographer, SRM University – AP, Andhra Pradesh

Editing: Mr. Lakshman / Secretary to the Registrar

Cover page design: SRM University AP

@ No part of this publication be reproduced without permission from the authorities of SRM University – AP, Andhra Pradesh.



SRM University, AP - Andhra Pradesh

Neerukonda, Mangalagiri Mandal,
Guntur District, Andhra Pradesh - 522240

Email: communications@srmap.edu.in

Visit us: www.srmap.edu.in

Call: +91-863-2343000 | 1800-599-2233

