



**RAMAIAH  
UNIVERSITY**  
OF APPLIED SCIENCES



# ANNUAL REPORT

*(For year ended 30<sup>th</sup> June 2022)*

**Ramaiah University of Applied Sciences**

University House, New BEL Road, MSR Nagar, Bangalore - 560 054

[www.msruas.ac.in](http://www.msruas.ac.in)

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## 1. Preface

Ramaiah University of Applied Sciences (RUAS) is established as a private University by “M. S. Ramaiah University of Applied Sciences Act, 2012” of Government of Karnataka. The University’s operations commenced from 30th December 2013 following the issue of Notification No. ED 103 UNE 2013. The University was formally inaugurated on 18th March 2014.

Ramaiah University of Applied Sciences has broadly organized its activities under the following divisions – Academics, Research, Training and Lifelong Learning and Techno Centre.

RUAS ranked 14th in Dental and 62nd Pharmacy category in NIRF India Rankings 2022. Performer band in (ARIIA) 2021 ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS QUALIFICATION awarded RUAS with a GOLD University Rating. RUAS has been awarded “Best Private University in India for Applied Sciences, Research & Innovation” at the Higher Education & Skill Conclave 2022 held at New Delhi on July 31, 2022.

RUAS 6th convocation a total of 1783 degrees are being awarded: 7 in Ph.D, 453 in Post Graduate and 1323 in Under Graduate degree/diploma requirements.

RUAS is a participating Institute in GoI’s flagship program “Unnat Bharat Abhiyan” (UBA). As per Ministry of Education’s directive, UBA Cell is formed in the University and the inauguration programme was held at Jakkanahalli Government School, Nelamangala as it is one of the 5 adopted villages from RUAS. The event concluded with the students dispersing into the village for collecting the house survey, 120 houses survey was completed.

RUAS has also established Institution’s Innovation Council, to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campus. IICs is a faculty-experts-student council which takes on multiple activities to promote Innovation and Entrepreneurship round the year. IIC’s objective is to prepare the students with skills like Critical Thinking, Design Thinking, Innovative thought process and Entrepreneurial mindset.

Ramaiah Technology Business Incubator (RTBI) under Start-up Policy which is supported by Department of IT, BT and ST. Government of Karnataka (GoK). The objective of this Centre is to achieve speedy commercialization of the Technologies developed by the host Institutions to promote and nurture novel technology/innovation-based start-ups. 17 Startups registered at Ramaiah Technology Business Incubator

The first edition of TEDx at RUAS was something as magical and inspiring as the theme, “Finding Your Cape” was held on 23rd April 2022. 17 Sponsored Research Projects are completed Sponsoring Agency: - Life Science Research Board, VGSTIAF-12, Karnataka Council for Technology Up gradation(KCTU) and more 22 projects are ongoing. PUBLICATIONS- 246 published in Scopus/Web of Science. PATENTS- (Awarded) - 14. PATENTS (Published) - 24. Student Placements with 45 Lakhs Per Annum Highest National Package and 22 lakhs Per Annum Highest International Package with over 300 companies.



### Introduction

Ramaiah University of Applied Sciences (RUAS) is established as a private University by “M. S. Ramaiah University of Applied Sciences Act, 2012” of Government of Karnataka. RUAS is sponsored by Gokula Education Foundation (Medical), a Public Charitable Trust of Ramaiah family. RUAS is a Comprehensive University and Unitary in nature. At the time of formation of the University, the Sponsoring Body, by a Resolution integrated the existing institutions, viz., namely M.S. Ramaiah Dental College (1991), M.S. Ramaiah College of Pharmacy (1992), M.S. Ramaiah College of Hotel Management (1993), M.S. Ramaiah School of Advanced Studies (1999), and M.S. Ramaiah Advanced Learning Centre (2012) as Faculties of the new University.

At present the University has 10 Faculties / Schools offering 31 Undergraduate, 47 Postgraduate courses and Academic Doctoral level programmes. The University has also established separate Directorates for imparting Training, Skill Development and Lifelong Learning programmes, Industrial Research & Consultancy for Industry, Government and other Public and Private Institutions through its Techno Centre, Directorate Training and Lifelong Learning (DTLL) and Directorate for Student Affairs.

The University has also created Cells: Quality Assurance Cell , Faculty and Academic Leadership Development Cell, RUAS Innovation Centre, Technology Business Incubation, Entrepreneurship Development Cell and Social Media Cell.

### History and Background of Sponsoring Body

#### Gokula Education Foundation (Medical) (GEF (M))

GEF (M) is a Public Charitable Trust established in the year 1980 with its head office at:  
GEF Administrative Block,  
Gnanagangothri Campus, New BEL Road,  
MSR Nagar, Bangalore- 560054.

The Late Dr. M.S. Ramaiah, a philanthropist, established the Trust with the objective of establishing educational Institutions and to provide affordable, holistic healthcare for the betterment of mankind. The founder has encapsulated his vision as follows:

**“To Deliver Education and Health Care for the Betterment of Mankind”**

At present, Dr. M.R. Jayaram, the eldest son of Late Dr. M.S. Ramaiah, is the Chairman of the Trust along with other family members as Advisors.

## Members of the Trust

The following table gives the names of members of the Trust and their relation with the Trust.

Sl. No	Name	Designation
1.	Dr. M.R. Jayaram	Chairman
2.	Shri. M.R. Sampangi Ramaiah	Advisor
3.	Shri. M.R. Seetharam	Advisor
4.	Shri. M.R. Pattabhiram	Advisor
5.	Shri. M.R. Janakiram	Advisor
6.	Shri. M.R. Kodandaram	Advisor
7.	Shri. M.R. Anandaram	Advisor
8.	Shri. M.R. Ramaiah	Advisor
9.	Smt. M.R. Padmavathy	Advisor
10.	Smt. M.R. Prabhavathy	Advisor
11.	Smt. Jayakumari	Advisor
12.	Smt. Indirarani	Advisor
13.	Shri. M.J. Shantharam	Advisor
14.	Shri. M.S. Rajaram	Advisor
15.	Shri. Raksha Ramaiah	Advisor
16.	Smt. Pushpa Prasanna	Advisor
17.	Smt. M.R. Rani	Advisor
18.	Shri. M. A. Navakotiram	Advisor

### GEF (M) Institutions

GEF (M) has established and operates the following Educational and Health care institutions:

Sl. No	Name of the Institution	Year of Establishment
1.	Ramaiah Medical College	1979
2.	Ramaiah Medical Teaching Hospital	1984
3.	Ramaiah Institute of Nursing Education and Research	1987
4.	Ramaiah Institute of Physiotherapy	1996
5.	Ramaiah Memorial Hospital	2004
6.	International Medical School	2006
7.	Ramaiah Gokula Ayush Arogyadhama	2008
8.	Ramaiah Rehabilitation Centre	2012
9.	Ramaiah Institute of Neuro Sciences	2012
10.	Ramaiah University of Applied Sciences	2013

In addition, the Ramaiah family has also established a separate Trust by the name of Gokula Education Foundation (GEF) in the year 1962 which has established and runs the following institutions:

Sl. No	Name of the Institution	Year of Establishment
1.	Ramaiah Institute of Technology	1962
2.	Ramaiah Composite Junior College	1993
3.	Ramaiah Vidyanikethan	1994
4.	Ramaiah College of Arts, Science and Commerce	1994
5.	Ramaiah College of Law	1995
6.	Ramaiah Institute of Management Studies	1995
7.	Ramaiah Polytechnic	1997
8.	Ramaiah College of Education	2010

The educational institutions under the various Trusts are managed by a group of professionals with each group being headed by a Chief Executive. While the majority of the Ramaiah Institutions are located at the Gnanagangothri Campus, New BEL Road, Bangalore, some are located in and around the city. The Institutions are very popular all over India and have a student strength of more than 20,000.

### Vision

“MSRUAS aspires to be the premier university of choice in Asia for student centric professional education and services with a strong focus on applied research whilst maintaining the highest academic and ethical standards in a creative and innovative environment”

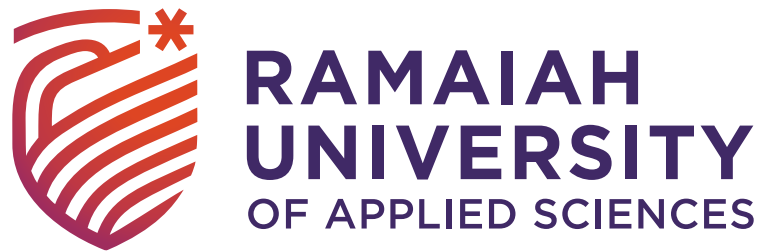
### Mission

Our purpose is the creation and dissemination of knowledge. We are committed to creativity, innovation and excellence in our teaching and research. We value integrity, quality and teamwork in all our endeavors. We inspire critical thinking, personal development and a passion for lifelong learning. We serve the technical, scientific and economic needs of our Society.

### Objectives

1. To disseminate knowledge and skills through instructions, teaching, training, seminars, workshops and symposia in Engineering and Technology, Art and Design, Management and Commerce, Allied and Health Sciences, Mathematical and Physical Sciences, Social Sciences, Dental Sciences, Pharmacy, Hospitality Management and Catering Technology to equip students and scholars to meet the needs of industries, business and society
2. To generate knowledge through research in Engineering and Technology, Art and Design, Management and Commerce, Allied and Health Sciences, and Social Sciences to meet the challenges that arise in industry, business and society
3. To promote health, human well-being and provide holistic healthcare
4. To provide technical and scientific solutions to real life problems posed by industry, business and society in Engineering and Technology, Art and Design, Management and Commerce, Allied and Health Sciences, and Social Sciences
5. To instill the spirit of entrepreneurship in our youth to help create more career opportunities in the society by incubating and nurturing technology product ideas and supporting technology backed business.
6. To identify and nurture leadership skills in students and help in the development of our future leaders to enrich the society we live in
7. To develop partnership with universities, industries, businesses, research establishments, NGOs, international organisations, governmental organisations in India and abroad to enrich the experiences of faculties and students through research and developmental programmes

## University Logo



## University Philosophy



*Education with Devotion (Bhakthi) is a process of Perfection for larger good*

The logo is a visual depiction of a swan in flight, subtly encased in the impression of a shield, as it looks up towards the sun.

The asterisk represents the sun, a universal symbol of true wisdom and enlightenment, while the swan is viewed as a symbol of knowledge. In the logo, the swan is in flight representing our continuous effort towards knowledge enhancement through our modern initiatives. The swan is facing forward, looking towards the sun, symbolising our devotion to enlightenment.

## Chancellor's Message



It gives me immense pleasure to invite and welcome you all to the Ramaiah University of Applied Sciences, Bengaluru. The 21st century is the century of opportunities to pursue innovation, research and critical thinking. Higher education institutions are evolving into a robust ecosystem to provide such opportunities. The purpose of higher education is to inspire and enable individuals to develop their capabilities to the highest possible levels throughout life; to Increase knowledge and understanding for their own sake, and to foster their application to the benefit of the economy and society; to serve the needs of an adaptable and sustainable, knowledge-based economy and society and in shaping a democratic, civilised, inclusive society.

To this end, higher education institutions should enable a compelling blend of theory and practice to achieve the purpose of higher education. The Ramaiah University of Applied Sciences aspires to be the premier university of choice in Asia for student-centric professional education that emphasises applied learning and the research ecosystem. The Ramaiah University of Applied Sciences provides an opportunity to evolve such partnerships for an effective ecosystem to nurture a culture of trust amongst students, teachers, administrators, employers, and society. There exists trust between student and teacher, teacher and students, parents and students, parents and teachers, parents and university administrators and students and university with employers and overall, with a sense of service and commitment to society. Education and learning must build a culture of trust in oneself and service for others, with others and the community at large. Creating a culture of trust and service is an ongoing process. One must earn trust through interaction and active collaboration. Hence, there is a need to harness partnerships among all actors in higher education and the society in which these institutions exist. I hope you will carry the culture of 'trust' and 'service' along with your education and research.

The Ramaiah University of Applied Sciences is well-positioned to harness the holistic and multidisciplinary ecosystem across the Ramaiah Group of Institutions, enabling collaboration across its institutions and beyond. The University strongly believes in empowering faculty through continuous professional development. The University is proud to offer Outcome Based Education (OBE) for excellence in teaching and learning, emphasising human values anchored on the philosophy of 'inclusive excellence'. The OBE approach is instrumental in facilitating applied research and making our students & industry ready. The University has contributed and benefitted immensely in teaching, research and innovation by proactively engaging with international institutions and agencies since its inception.

My message to all of you is - Irrespective of your pursuits, pursue your passion even though the path may sometimes seem circuitous.

Welcome to the University of opportunities and possibilities. A vast landscape of inquiry and discovery lies before you. We are all looking forward to walking this path with you.

**Dr. M. R. Jayaram**  
Chancellor, RUAS



## Vice Chancellor's Message



Ramaiah University of Applied Sciences (RUAS) set up in the year 2013 is an offshoot of Gokula Education Foundation [GEF(M)]. The University has evolved, with 10 faculties and caters to the needs of students in Higher Education in the domain of Faculties Art & Design, Engineering & Technology, Pharmacy, Dental Sciences, Life and Allied Health Sciences, Mathematical & Physical Sciences, Hotel Management & Catering Technology, Management & Commerce. In year 2020-2021, we started the School of Social Sciences and the School of Law. All the programs offered by the University at Undergraduate (UG) and Postgraduate (PG) levels are approved by Karnataka State Higher Education Council (KSHEC) and respective regulatory bodies.

The University aims at nurturing talents in-tune with global needs, imbibing values and ethics among students. The focus of the University is not just to impart relevant knowledge and skills in different fields, but also to infuse the ability in analytical thinking, innovation, Research & Development. The University has been awarded “Best Private University in India for Applied Sciences, Research & Innovation. We are in performing band in the Atal Ranking of Institutions Innovation Achievements (ARIIA).

The COVID-19 situation made us to move blended mode of education delivery teaching-learning process. However, every effort was made to fulfill our commitment to dear students to complete their degree on time. I acknowledge the efforts of each member of faculty and staff to make it possible.

At the 6th Convocation, our university awarded 1,783 degrees in various programs at UG, PG and PhD levels. Professor Anil D Sahasrabudhe, Chairman All India Council of Technical Education was the Chief Guest.

During the year under reference, 17 sponsored R&D projects were completed, 22 ongoing projects, 246 Publications in high index journals, 14 patents were awarded, and 24 patents were published.

The placement touched about 76 % on campus. Many students got admission to pursue higher studies in premier Higher Education Institutions (HEI) in the country and overseas.

I truly feel proud with the rising glory of the Ramaiah University of Applied Sciences in a short span of about 7 years. I am grateful to Dr M R Jayaram, our Chancellor and Chairman Board of Governors, Members of Board of Management, and Academic Council for guiding us on every step. The efforts of each faculty and staff member is also appreciated.

**Prof. K.K. Raina**  
Vice Chancellor

## B. University Governance

The Governance of the University rests with the Board of Governors who determine the major policy matters and set the vision for the University's growth and development plans. The day-to-day management of the University rests with the Board of Management which is supported by the Academic Council, Research and Innovation Council, Skill and Vocational Training Council and the Finance Committee.

### Board of Governors

In accordance with Section 23 of the Act, the Board of Governors is the principal governing and policy making Body of the University.

Sl. No.	Profile	Membership	Appointed By
1.	Dr. M. R. Jayaram Chairman, Gokula Education Foundation(GEF)	Chairman	Sponsoring Body
2.	Mr. M. R. Kodandaram Trustee, Gokula Education Foundation(GEF)	Nominated Member	Sponsoring Body
3.	Mrs. M. R. Prabhavathy Trustee, Gokula Education Foundation(GEF) Woman Member nominated	Nominated Member	Sponsoring Body
4.	Principal Secretary , Higher Education, GoK,	Appointed Member	Govt. of Karnataka
5.	Principal Secretary, Medical Education, GoK	Appointed Member	Govt. of Karnataka
6.	Dr. Suresh Babu S	Appointed Member	Govt. of Karnataka
7.	Prof. A. Sivathanu Pillai Founder CEO & MD of BrahMos Aerospace & Emeritus	Appointed Member	Chancellor
8.	Dr. R. Natarajan Former Director, IIT Madras Former Chairman, AICTE, New Delhi	Appointed Member	Chancellor
9.	Prof. Kuldeep Kumar Raina Vice Chancellor	Ex-Officio Member	Chancellor
10.	Prof. Govind R. Kadambi Pro Vice Chancellor - Research	Ex-Officio Non-Voting Member	Chancellor
11.	Prof. Anindya Sen Pro Vice-Chancellor - Social Sciences	Ex-Officio Non-Voting Member	Chancellor
12.	Prof. M. Sai Baba Registrar	Ex-Officio Non-Voting Member & Secretary	Chancellor

## Board of Management

In accordance with Section 24 of the Act, the Board of Management is the principal, executive body of the University and is entrusted with all the management of all day-to-day operations and implementing the vision set out by the Board of Governors.

The Board of Management members are :

Sl. No.	Profile	Membership	Appointed By
1.	Prof. Kuldeep Kumar Raina Vice Chancellor	Chairperson	Chancellor
2.	Mr. M.R. Sreenivasa Murthy CE , GEF (M)	Nominated Member	Sponsoring Body
3.	Mr. B.N. Subramanya Advisor GEF(M)	Nominated Member	Sponsoring Body
4.	Prof. Govind R. Kadambi Pro Vice Chancellor - Research	Ex-Officio Member	Chancellor
5.	Prof. Anindya Sen Pro Vice-Chancellor - Social Sciences	Ex-Officio Member	Chancellor
6.	Prof. M. Sai Baba Registrar	Ex-Officio Member & Secretary	Chancellor
7.	Prof. Krishanmurthy Jayanna Dean-FLAHS	Appointed Members	Vice Chancellor
8.	Prof. S. Bharath Dean (I/C) - FPH	Appointed Members	Vice Chancellor

## Academic Council

In accordance with Section 25 of the Act, the Academic Council is the principal, academic policy-making body of the University. The Academic Council has control over, and responsibility for the maintenance of standards of instruction, education and examinations and the conferment of undergraduate and post-graduate degrees, diplomas and other awards and titles in the University.

The Academic Council members are :

Sl. No.	Name	Designation	Membership
1.	Prof. Kuldeep Kumar Raina	Vice Chancellor	Chairperson
2.	Prof. Govind R. Kadambi	Pro Vice Chancellor - Research	Member
3.	Dr. Sundaresh D. C.	Pro Vice Chancellor - Health Sciences	Member
4.	Prof. Anindya Sen	Pro Vice Chancellor - Social Sciences	Member
5.	Prof. M. Sai Baba	Registrar	Member Secretary
6.	Dr. Latha Ananadakrishna	Director of Academics	Member
7.	Prof. B.V. Sreenivasa Murthy	Dean-FDS	Member
8.	Prof. Dilip Kumar Mahanty	Dean FET	Member
9.	Prof. Abby Mathew	Dean-FHMCT	Member
10.	Prof. K.M. Sharath Kumar	Head - FMC	Member
11.	Prof. Bharath S	Dean(I/C)-FPH	Member
12.	Prof. Krishnamurthy Jayanna	Dean - FLAHS	Member
13.	Prof. B. Rajeev	Professor, Department of Statistics & Mathematics, Indian Statistical Institute, Bengaluru	Member

## University Governance

Sl. No.	Name	Designation	Membership
14.	Prof. A. K. Nandakumaran	Professor, Department of Mathematics, Indian Institute of Science, Bengaluru	Member
15.	Prof. Raju K. George	Dean of Research & Development, Indian Institute of Space Science & Technology, Thiruvananthapuram, Kerala	Member
16.	Prof. Laxminarayan L. Raja	Professor, Department of Aerospace Engineering & Engineering Mechanics, University of Texas at Austin, USA	Member
17.	Prof. Murugesu Sivapalan	Professor, Department of Civil & Environmental Engineering, University of Illinois at Urbana-Champaign, USA	Member
18.	Prof. N. Meena	Professor, Department of Conservative Dentistry and Endodontics, V. S. Dental College, Bengaluru	Member
19.	Prof. B.G. Prasad	Professor, Department of Computer Science, BMS College of Engineering, Bull Temple Road, Basavanagudi, Bengaluru	Member
20.	Prof. Ravishankar Sankaranarayanan	Professor, Department of Electronics & Communication Engineering, R V College of Engineering, Bengaluru	Member
21.	Prof. Jaykumar V	Professor & Chairperson, BBA-Hospitality & Event Management, Department of Management Studies, PES University, Bengaluru	Member
22.	Prof. M. H. Bala Subrahmanya	Professor, Department of Management Studies, Indian Institute of Science, Bengaluru	Member
23.	Prof. P. N. Sanjay Pai	Professor & Head, Department of Pharmaceutical Chemistry, Goa College of Pharmacy, Goa	Member
24.	Prof. H. L. Bhat	Retried Professor, Department of Physics, Indian Institute of Science, Bengaluru	Member

## Board of Studies

The University has established separate Board of Studies for the various Courses offered by the different Faculties. Each Board of Studies (BoS) comprises a team of internal faculty members and external academic and industry experts. The curriculum prepared by the Board of Studies is presented to the Academic Council for its approval for all courses offered by the University.

## Research and Innovation Council

In accordance with Section 26 of the Act, the Research and Innovation Council is the principal authority to organize, promote and disseminate research related activities in the University. The Research & Innovation Council has control over, and responsible for, the maintenance of standards of instruction, education and examinations and conferment of all degrees for the doctoral research programmes in the University.

The Research and Innovation Council members are:

Sl. No.	Name	Designation	Membership
1.	Prof. Kuldeep Kumar Raina	Vice Chancellor	Chairperson
2.	Prof. Govind R. Kadambi	Pro Vice Chancellor - Research	Member - Secretary
3.	Prof. Anindya Sen	Pro-Vice Chancellor - Social Sciences	Member
4.	Prof. M. Sai Baba	Registrar	Member
5.	Dr. Krishnamurthy Jayanna	Dean, FLAHS	Member
6.	Dr. M. Girish Chandra	Senior Research Scientist TCS Innovation Laboratory (Quantum Computing and Compressive Sensing)	Member
7.	Dr. Shervanthi Homer Vanniasinkam	Consultant Vascular Surgeon, Leeds Vascular Institute, Leeds General Infirmary, UK and Professor of Engineering and Surgery, University College London	Member



<b>Sl. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Membership</b>
8.	Prof. Ashok Banerjee	Professor of Finance & Control Indian Institute of Management Calcutta	Member
9.	Dr. S. Asokan	Professor & Chairman Department of Instrumentation and Applied Physics, Indian Institute of Science	Member
10.	Dr. Shashi Bala	Director National Institute of Pharmaceutical Education and Research (NIPER)	Member
11.	Dr. Prem Mony	Professor Epidemiology and Vice Dean, St Johns Research Institute	Member
12.	Dr. Deepak Mehta	Dentsply	Member
13.	Dr. Latha Anandakrishna	Director of Academics	Member
14.	Dr. Sanjay C. Desai	Director - Advanced Learning Centre	Member
15.	Prof. B. V. Sreenivasa Murthy	Dean - FDS	Member
16.	Dr. S. Bharath	Dean - FPH	Member
17.	Prof. Abby Mathew	Dean - FHMCT	Member
18.	Dr. Chetan B. Singai	Associate Professor - SSS	Member
19.	Dr. Prashanth Desai	Dean - School of Law	Member
20.	Dr. K. M. Sharath Kumar	Director - Research	Member

## Skills and Vocational Training Council

The Role of the Council are:

1. Identifying the need for various training, skill development and lifelong courses
2. Directing on the development and effective delivery of various training, skill development and lifelong courses
3. Interacting with various government and industrial and business organisations to evolve policies for framing and delivering training, skill development and lifelong learning courses
4. Framing policies for Training, skill Development and lifelong learning courses
5. Approving the training, skill development and lifelong courses
6. Approving various awards for training, skill development and lifelong courses

The Skills and Vocational Training Council members are:

Sl. No.	Name	Designation	Membership
1.	Prof. Kuldeep Kumar Raina	Vice Chancellor	Chairperson
2.	Prof. M. Sai Baba	Registrar	Member
3.	Dr. Vibha Shetty	Director - DTLL	Member-Secretary
4.	Dr. Dilip Kumar Mahanty	Dean - FET	Member
5.	Dr. B. V. Sreenivasa Murthy	Dean - FDS	Member
6.	Dr. Bharath	Dean (I/C) - FPH	Member
7.	Prof. Abby Mathew	Dean - FHMCT	Member
8.	Mr. H. S. Lohith	Assoc. Dean - FAD	Member
9.	Dr. Sharath	Head of Department - FMC	Member

<b>Sl. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Membership</b>
10.	Mr. Jyothi Shankar	Director - Transferable Skills & Leadership Development (DTSLD)	Member
11.	Mr. M Lokraj	Secretary General I/C FKCCI, B'lore	Member
12.	Mr Gaurav Gupta	IAS, Commissioner Dept of Employment and Training, GoK	Member
13.	Dr. Rajkumar Alle	Karnataka State Dental Council	Member
14.	Mr. Hareesh Hegde	Former President, Peenya Industries Association, KASSIA	Member
15.	Mrs. Latha Girish	Former President, Peenya Industries Association	Member
16.	CA Vishnu Moorthi	Sr. Partner, Vishnu Daya & Co, Chartered Accountants	Member
17.	Mr. Murali Krishnan	Director, HR & Business dev, Taj West End	Member
18.	Mrs. Uma Reddy	Former President CLIK	Member
19.	Mr. Madhusudhan	Gen Manager, Methods & Plant Engg., Ace Designers.	Member
20.	Mr. Jays Chandy	HR Consultant	Member
21.	Mr. K. P. Murthy	Consultant, Skill Development	Member

## Finance Committee

In accordance with Section 27 of the Act, the Finance Committee is the principal, financial decision-making authority of the University and deals with all matters pertaining to its finances and property.

The Finance Committee members are:

Sl. No.	Profile	Designation	Membership
1.	Mr. M.R. Sreenivasa Murthy	Chief Executive, GEF (M)	Chairperson
2.	Prof. Kuldeep Kumar Raina	Vice Chancellor	Ex-Officio Member
3.	Mr. B.N. Subramanya	Advisor (GEF(M)) Nominated Member	Member
4.	Mr. Venugopala Sastry	CFO (GEF-M)) Nominated Member	Member
5.	Prof. M. Sai Baba	Registrar	Ex-Officio Member
6.	Mr. Venkata Subramanyam A R	General Manager (Finance & Accounts)	Member & Secretary

## Fee Regulation Committee

In accordance with the requirements of the M.S. Ramaiah University of Applied Sciences Act, 2012 the University has set up a Fee Regulation Committee for determining the fees payable by Karnataka students for whom seats are reserved by the University.

The Committee comprises the following members:

Sl. No.	Name	Membership
1.	Justice N.K Patil	Chairperson
2.	Dr. M.R. Jayaram, Chancellor, RUAS	Member
3.	Prof. K.K. Raina, VC, RUAS	Member
4.	Principal Secretary to Govt, Higher Education Department	Member
5.	Principal Secretary to Govt, Medical Education Department	Member
6.	Prof. S. Kumar, Former Chancellor, Devraj Urs Academy of Higher Education & Research	Member
7.	Dr. Archana, Academic Registrar, Ramaiah Institute of Technology	Member
8.	Mr. Jairam E.S, Chartered Accountant	Co-opted Member
9.	Dr. G.S Venkatesh, Registrar, RUAS	Member secretary


## UGC Approval Letter

In 2016, the University Grants commission (UGC) has approved M. S. Ramaiah University of Applied Sciences and has empowered the University to award degrees vide notification No. F.8-22/2013 (CPP-1/PU). The notification from UGC is appended below.

Ph 25736355, 25252701, 25257721, 25254118

[www.ugc.ac.in](http://www.ugc.ac.in)

No.F.8-22/2013 (CPP-1/PU)



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

Speed Post

July, 2016

127 JUL 2016

21 JUL 2016

The Registrar  
M.S. Ramaiah University of Applied Sciences,  
Administrative Block, New BEL Road,  
MSRIT Post, Bangalore – 560 054,  
Karnataka

Sub: - Status of M.S. Ramaiah University of Applied Sciences, Karnataka.


Sir,

With reference to your letter dated 21.07.2016, I am directed to inform you that M.S. Ramaiah University of Applied Sciences, Administrative Block, New BEL Road, MSRIT Post, Bangalore – 560 054, Karnataka has been established by an Act of State Legislature of Karnataka as a Private University and is empowered to award degrees as specified under Section 22 of the UGC Act through its main campus at regular mode with the approval of Statutory Bodies/Councils, wherever its required.

M.S. Ramaiah University of Applied Sciences, Bangalore – 560 054, Karnataka is not authorized to open study centre/ off campus centre beyond the territorial jurisdiction of the state as per the judgment of Hon'ble Supreme Court of India in case of Prof. Yashpal Vs. State of Chhattisgarh. The University cannot open its centre(s) even within the state as per the provision of UGC (Establishment of and Maintenance of Standards in Private Universities) Regulations, 2003 without the approval of UGC.

The UGC has not granted any approval to the University to open off campus/study centre.

Yours faithfully

  
(Kundia Mahajan)  
Under Secretary



विश्वविद्यालय अनुदान आयोग  
University Grants Commission  
शिक्षा मंत्रालय, भारत सरकार  
(Ministry of Education, Govt. of India)  
बहादुरशाह जफरमार्ग नईदिल्ली- 110 002  
Bahadurshah Zafar Marg, New Delhi-110002  
Phone : 011-23604329, 011-23604325



**SPEED-POST**

F.No.8-22/2013 (CPP-I/PU)

August, 2021

The Registrar,  
M.S. Ramaiah University of Applied Sciences,  
Administrative Block, New BEL Road, MSRIT Post,  
Bangalore – 560 054, Karnataka.

12 6 AUG 2021

Subject:- Status of the M.S. Ramaiah University of Applied Sciences, Bangalore, Karnataka - regarding.

Sir,

With reference to your letter dated 16.08.2021 on the subject cited above, I am directed to inform you that **M.S. Ramaiah University of Applied Sciences, Administrative Block, New BEL Road, MSRIT Post, Bangalore – 560 054, Karnataka** has been established by the Act of the State Legislature of Karnataka as a Private University and is empowered to award degrees as specified under Section 22 of the UGC Act through its main campus in regular mode with the approval of Statutory Bodies of the University and Statutory Council(s), wherever it is required and after creating required academic and physical infrastructure facilities including library, laboratories and appointment of teaching and supporting staffs as per the norms and standards laid down by UGC and other relevant Statutory Council(s). The name of the University has been included in the list of Universities established as per section 2 (f) of the UGC Act, 1956.

Yours faithfully,



(Dr. Naresh Kumar Sharma)  
Under Secretary

01C

24/8/2021



## AICTE Extension of Approval 2022-23

**All India Council for Technical Education**  
(A Statutory body under Ministry of Education, Govt. of India)  
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)



### APPROVAL PROCESS 2022-23

#### Extension of Approval (EoA)

F.No. South-West/1-10968783910/2022/EoA

Date: 03-Jul-2022

To,

The Principal Secretary (Hr. & Tech Education)  
Govt. of Karnataka, K. G. S., 6th Floor,  
M.S. Building, R. N. 645, Dr. B. R. Ambedkar Road,  
Bangalore-560001

**Sub: Extension of Approval for the Academic Year 2022-23**

Ref: Application of the Institution for Extension of Approval for the Academic Year 2022-23

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations, 2022 Notified on 4th February, 2022 and amended on 24th February 2022 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Permanent Id	1-7161814455	Application Id	1-10968783910
Name of the Institution	M. S. RAMAIAH UNIVERSITY OF APPLIED SCIENCES	Name of the Society/Trust	GOKULA EDUCATION FOUNDATION (MEDICAL)
Institution Address	UNIVERSITY HOUSE, GNANAGANGOTRI CAMPUS, NEW BEL ROAD, MSR ROAD, BANGALORE - 560054, BANGALORE, BANGALORE URBAN, Karnataka, 560054	Society/Trust Address	BANGALORE, BANGALORE URBAN, Karnataka, 560054
Institution Type	State Private University	Region	South-West
Year of Establishment	2020		

### ARIIA 2021



### AISHE Certificate



## C. Key Highlights and Achievements 2021-22



Faculty of Dental Sciences, Ramaiah University of Applied Sciences and been ranked **14th among all Dental Colleges of India** in the National Institutional Ranking Framework (NIRF) - 2022 ranking released by Ministry of Education, Government of India.

Faculty of Pharmacy, Ramaiah University of Applied Sciences ranked **62nd Position** among all Pharmacy Colleges in India under National Institutional Ranking Framework (NIRF) - 2022, Ministry of Education, Government of India



## QS I-GAUGE E-Lead Renewal Certificate



## QS I-GAUGE Advanced E-Lead Renewal Certificate





On May 6th, 2022 by The President of the University of Illinois System, Dr. Timothy Killeen presented the Degree of “Doctor of Humane Letters” to Dr. M. R. Jayaram, Chancellor RUAS in recognition of his valuable contribution to promoting higher education and health care services. Dr. M. R. Jayaram was the only recipient of Honorary Doctorate in the 140th Commencement Ceremony of the University of Illinois College of Medicine in which 317 graduates were awarded degrees.



Ramaiah University of University was awarded QS I GAUGE OVERALL GOLD University rating at the recent awards event held at New Delhi on 12th May 2022. Hon'ble Vice Chancellor Prof. K. K. Raina received the award from Smt. Smriti Zubin Irani, Minister of Women and Child Development, Government of India and this rating is valid up to 4th May 2024





Ramaiah University of Applied Sciences under Gokula Education Foundation (Medical) on Tuesday signed a Memorandum of Understanding with Indian Technology Congress Association (ITCA) to develop and build the Nano Satellite coinciding with 'Azadi Ka Amrit Mahotsav' to commemorate 75 years of Indian independence which will be launched in August 2022. The Satellite mission functional attributes are water quality monitoring, providing wireless communication network in remote areas, passive radar for weather monitoring and fisherman SOS.



Ramaiah University of Applied Sciences conducted its Sixth Convocation on Monday, 14th March 2022 at Gnanagangothri Campus, New BEL Road, Bangalore. Degrees were conferred to Undergraduates, Postgraduates and Research Scholars. Prof, Anil D. Sahasrabudhe, Chairman, AICTE was the chief guest of the function and delivered the Convocation Address.



An Executive Advisory Team visited RUAS from 25 Oct. 2021 to 30 Oct. 2021. The team consisted of stalwarts like Prof. Bellur Prabhakar, Professor, Department of Microbiology and Immunology & Associate Dean, College of Medicine, University of Illinois, Prof. J. N. Reddy, Member – National Academy of Engineering and O'Donnell Foundation Chair IV Chair Professor & Regents Professor of Mechanical Engineering, Texas A & M University, USA and Dr. M.M. Pallam Raju, Former Union Cabinet Minister, Government of India. During their visit, many deliberations with the leadership team were held on areas of achieving Excellence in Education with the primary aim of providing holistic development to students at RUAS.



**Ms. Amritha Patil , B.Tech.** Computer Science and Engineering (USN: 18ETCS002012) has been placed in **Amazon with annual CTC of 45 LPA** as Software Development Engineer. **It is the highest national package in 2021-2022.**

Students from Faculty of Engineering & Technology and Faculty of Life and Allied Health Sciences received grant of Karnataka State Council for Science and Technology (KSCST) in 45th series of **Student Project Programme (SPP) 2021 - 22**.

## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru - 560 012  
Website: [www.kscst.org.in](http://www.kscst.org.in) | Email: [app@kscst.org.in](mailto:app@kscst.org.in) | Tel: 080-2334 1652, 2334 8840/4940

### 45<sup>th</sup> series of Student Project Programme (SPP): 2021-22

#### List of Student Project Proposals Approved for Sponsorship

#### 121. RAMAIAH UNIVERSITY OF APPLIED SCIENCES, BENGALURU

S No	PROJECT REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)
187.	45S_VSC_106	DEVELOPMENT OF ONE TIME MULTI-COLOR CHART DETECTION OF DENGUE VIRUS USING MOBILE CAMERA ANALYSIS VIA DNA LABEL FREE PROBE	M.Sc	BIO TECHNOLOGY	Dr. K. PRASHANTH	Ms. DEEPAVARA S P Ms. SANTOSH KISHOR G
188.	45S_Utech_007	INVESTIGATION ON THE DEVELOPMENT OF ZIRCONIUM BASED BRICKS FOR ITS MICROSTRUCTURAL AND MECHANICAL PROPERTIES UNDER DIFFERENT CURING CONDITIONS	B.Tech	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	Ms. ARVINDA R. PATEL	Ms. BHANUJ C
189.	45S_BE_4749	FORMATION AND CONTROL IN FLY ROBOTS FOR BORDER SECURITY	B.E	ELECTRICAL AND ELECTRONICS ENGINEERING	Mr. B K SATHI PRASAD Dr. JANAVAR SANDUNNANAN	Ms. DARSHANA DEB Ms. ABIRAH HANESH Ms. HARSHITHA H GOMDA
190.	45S_VSC_103	BIO-PROTECTANT EFFICACY OF NOVEL ANTIBIOTICS PRODUCED BY A LACTOBACILLUS SPECIES FOR THE MANAGEMENT OF MYCOPLASMA CONTAMINATION OCCURRING IN CEREALS	M.Sc	FOOD SCIENCE AND TECHNOLOGY	Dr. CHENNAIYAN GURURAJ Dr. NARAYAN GOMDA	Ms. SHAMATH BODAPPAN B D Ms. ASHLEENA TAMBIA Ms. KAREENA SAMBATH KHAM Ms. BHAKTIPATNA D
191.	45S_BE_0778	DESIGN AND DEVELOPMENT OF HYDROGEN-BASED DUAL FUEL SI ENGINE	B.E	MECHANICAL ENGINEERING	Dr. ANANTH S. PETHGAR	Ms. PAVNI J GOMDA Ms. RAKSHITH R Ms. BHARADWATH Ms. ANKUR S
192.	45S_BE_4943	DEVELOPMENT OF AN EFFECTIVE BATTERY THERMAL MANAGEMENT SYSTEM USING EVAPORATIVE COOLING TECHNIQUE	B.E	MECHANICAL ENGINEERING	Dr. PRITAM BHATT	Ms. ABHILASHA KUMAR Ms. SIDDHARTH THAKUR Ms. THIRUVAN Ms. CHETAN V
193.	45S_VSC_131	COMPARATIVE PROTEOMIC ANALYSIS OF THE VARIOUS PLANTS CO-CULTIVATED WITH ACETOBACTER DIATROPHICUS AND ITS HOMOLOGOUS RELATED BACTERIA	M.Sc	MOLECULAR AND CELLULAR BIOLOGY	Dr. SELVAMARUTHAN	Ms. C R BHARASA Ms. ASHATH N PILLAI

#### Notes:

- The sanctioned amount will be credited to the college bank account by NEFT.
- The evaluation of the above projects will be conducted via online mode during May / June 2022.
- Participation in the online evaluation process is mandatory, failing which the project will be considered incomplete and will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- After completion of the projects, a softcopy of the report prepared as per the format prescribed by RESPECTIVE UNIVERSITIES shall be uploaded (PDF format in a single file only) in the GOOGLE FORMS provided.
- Any corrections with respect to the names of the guide and students shall be requested at [app@kscst.org.in](mailto:app@kscst.org.in)

Ramaiah University of Applied Sciences signed **an MOU with L&T Technology Services Ltd.** on 12th April 2022





## TEDxRUAS

x = independently organized TED event

On 23rd April, 2022 the first edition of TedxRUAS was Organised with the theme “Finding your cape” as organized. The speakers for first event of TEDxRUAS were Dr. A. Sivathanu Pillai, Founder CEO & MD of BrahMos Aerospace and Emeritus Professor, RUAS, Shri. Alok Kumar, Additional Director General of Police (ADGP) and Former Police Commissioner, Shri. Nivedan Nempe, CEO and Founder of Areca Tea, Smt. Sruthi Kannan, Head - Cisco Launchpad and Dr. Krishnamurthy Jayanna Professor and Dean - Faculty of Life and Allied Health Sciences, RUAS



## Rotaract Club of RUAS Installation



Lakshya, Rotaract Club of RUAS, an independent club of RUAS run by student community itself which marks its uniqueness. It is sponsored by Rotary Bangaluru Manyata and was installed on 27th June, 2022. The club strives to provide opportunities for personal and

group activities to serve the community and promote international understanding and goodwill amongst all.



## RUAS NSS Units Approval



On 28th March 2021, two NSS units of Ramaiah University of Applied Sciences (RUAS) were inaugurated. It attempts to establish a meaningful linkage between 'Campus and Community', and 'Knowledge and Action'. Since its inception, RUAS NSS volunteers have enthusiastically participated in many activities for social betterment.



## RUAS SPICMACAY CHAPTER INITIATION



RUAS got associated with SPIC MACAY (Society for the Promotion of Indian Classical Music and Culture Amongst Youth) and as part of the on boarding process, an orientation program was held exclusively for students and staff by SPIC MACAY on Saturday 17th

April 2021. During the orientation program, the speakers threw light to the history, objectives and philosophy of SPIC MACAY and shared about Heritage Club at Higher Educational Institutions. Videos on Volunteerism were played in this interactive session which was attended by students and Faculty Cultural Coordinators.



**Mr. Mathews Koshy** Student of B.Sc. Psychology from School of Social Sciences secured 3rd place and bagged bronze medal in Aquatics 400 meters freestyle event and 5th place in Aquatics, 200 meters freestyle event during Khelo India University Games 2021 - 22, held on 25th and 27th April 2022.

## Programmes, Courses and Student Intake

The following table describes the student intake for various programmes and Courses of the University.

Faculty	Programmes	Courses	Intake	Admitted
Engineering and Technology	B.Tech - REGULAR	Aerospace Engineering	60	51
		Automotive Engineering	60	12
		Civil Engineering	60	17
		Computer Science and Engineering	180	165
		Electrical and Electronics Engineering	60	38
		Electronic and Communication Engineering	120	78
		Mechanical Engineering	60	32
		Artificial Intelligence & Machine Learning	60	59
		Robotics	60	30
		Information Science & Engineering	60	55
		Mathematics & Computing	60	37
Engineering and Technology	B.Tech - Lateral			67
Art and Design	B.Des.	Product Design	60	31
		Fashion Design	60	15
Management and Commerce	B.Com(Hons)	Accounting & Finance	60	59
	BBA	Bachelor of Business Administration	120	120
Pharmacy	B. Pharm.	Bachelor of Pharmacy	100	98
	B.Pharm. (Lateral)			3
	Pharm.D.	Doctor of Pharmacy	30	30

<b>Faculty</b>	<b>Programmes</b>	<b>Courses</b>	<b>Intake</b>	<b>Admitted</b>
Dental Sciences	B.D.S	Bachelor of Dental Surgery	60	60
Mathematical & Physical Sciences	B.Sc.(Hons)	Physics, Chemistry, Mathematics, Statistics, Computer Science, Electronics	120	47
Hospitality Management & Catering Technology	BHM	Bachelor of Hotel Management	120	103
Life and Allied Health Sciences	B.Sc. (Hons.) BT	Biotechnology	60	59
	B.Sc. (Hons.) FTP	Food Processing and Technology	60	60
	B.Sc. (Hons.) AHS	DTT, OTT, MRIT,CCT, OPTOMETRY	150	112
School of Social Sciences	B.A-(Hons) B.Sc-(Hons)	B A (Hons)-Sociology	60	4
		B.Sc(Hons)-Data Science & Analytics	60	21
		B.Sc(Hons)-Psychology	60	59
		B.Sc(Hons)-Economics	60	7
School of Law	B.Sc(Hons)-LLB	B.Sc(Hons)-LLB	60	10

Faculty	Programmes	Courses	Intake	Admitted
Engineering and Technology	M.Tech	Data Science and Engineering	18	9
		Manufacturing Technologies and Engineering Management	18	2
		VLSI and Nanotechnology	18	2
		Power Electronics and Drives	12	2
		Aerospace Engineering	18	7
		Automotive Engineering	12	7
		Structural Engineering	24	8
		Construction Engineering and Management	24	21
		Environmental Engineering and Management	18	7
		Transportation Engineering	18	12
		Artificial Intelligence & Machine Learning	24	17
		Advanced Machinery Design	12	1
		Robotic Engineering	12	6
Art & Design	M.Des.	Product Design	24	8
		Fashion Design	24	4
Management and Commerce	MBA	Marketing Management	100	98
		Human Resources Management		
		Financial Management		
		Operations Management		
		Small Business and Entrepreneurship		
		Hospitality Management (HM)		
		MBA in Pharma Business Management (PBM)		



Faculty	Programmes	Courses	Intake	Admitted
	M.Com.	Accounting and Taxation	30	9
		Banking and Finance		
Pharmacy	M. Pharm.	Pharmacognosy	15	0
		Pharmaceutical Chemistry	15	13
		Pharmaceutics	15	13
		Pharmacology	15	14
		Pharmacy Practice	9	7
Dental Sciences	M.D.S	Orthodontics & Dentofacial Orthopaedics	5	5
		Conservative Dentistry & Endodontics	5	5
		Prosthodontics, Crown and Bridge	5	5
		Pedodontics & Preventive Dentistry	6	6
		Oral & Maxillofacial Surgery	6	6
		Oral Medicine & Radiology	3	2
		Public Health Dentistry	2	1
		Oral Pathology and Microbiology	3	1
		Periodontics	5	4
Mathematical & Physical Sciences	M.Sc.	Mathematics	30	11
		Chemistry	30	26
		Physics	30	12
Life and Allied Health Sciences	M H A	Master of Hospital Administration	30	29
	M.Sc.	Bio-Technology	30	30
	M.Sc.	Food Science & Technology	30	30
	M.Sc.	Molecular & Cellular Biology	30	27
	M P H	Master of Public Health	30	30
School of Social Sciences	M A (P P)	M A (Public Policy)	60	9
Ph.D (All Faculties)	Ph.D			48

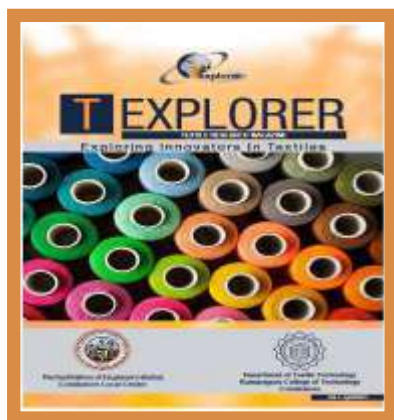


### Faculty of Art & Design

Faculty of Art and Design (FAD) adopts a multipronged approach to design education. The comprehensive curriculum covers global best practices in design while also focusing on local application. Theoretical knowledge is rooted in classroom learning while studios and laboratories are used to translate the ideas to reality. Students are not only taught to solve the present-day problems, but they are also prepared to address futuristic needs.

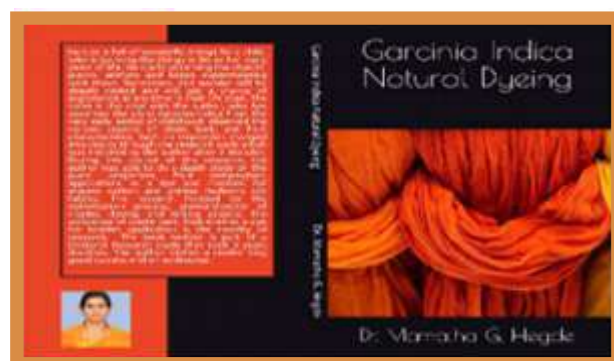
### Department of Fashion Design

#### Achievements



Completed detailed project report on Waste/Used clothes management- Mysore District sponsored by Dept. of Handlooms and Textiles Government of Karnataka and suggested relevant research outcomes to make Mysore district clean and smart city April 2021

Dr. Mamatha G Hegde published 1 book - *Garcinia Indica Natural Dyeing*, First e-book edition published 2021 in India with ISBN: 978 – 81-953329-4-6, Published by Textile Academic Publishing and Service.



Dept. of Fashion Design received "Certificate of Recognition for Excellence in Student Outreach, Engagement and Digital Innovation 2022 and Certificate of Appreciation for valuable and Exemplary Contribution to the Education Community under India's first symposium on 'NEW NORMAL- EDUCATION LEADERSHIP SUMMIT & AWARDS 2022- ELSA2022'. Award ceremony held on 7 and 8 January 2022 by Ardor Comm Media Group, Pune.

Dr. Mamatha G Hegde worked as Professional Consultant for "PATTEAANCHU' AND 'MELKOTE PANCHE' to obtain Protection Under Geographical Indications of Goods, KSCST- project sanctioned to Ramaiah Intellectual Property Right Cell, from 23.3.2021 to 31.3.2022  
Dr. Mamatha G Hegde published 10 articles, delivered guest lecture as a resource person, conducted FDP as a resource person

Ms Nagaveni K published 5 articles.

Dr. Mamatha G Hegde participated as a Mentor and Jury member in the International online Event "HACKATHON" Post Industrial Design, December 2021 organized by Ural Federal University, Ekaterinburg, Russia.



Ms Nagaveni K participated as a Mentor and Judge for Fashion Hackathon 2022 by Kent State University USA.

## Value Added Programs

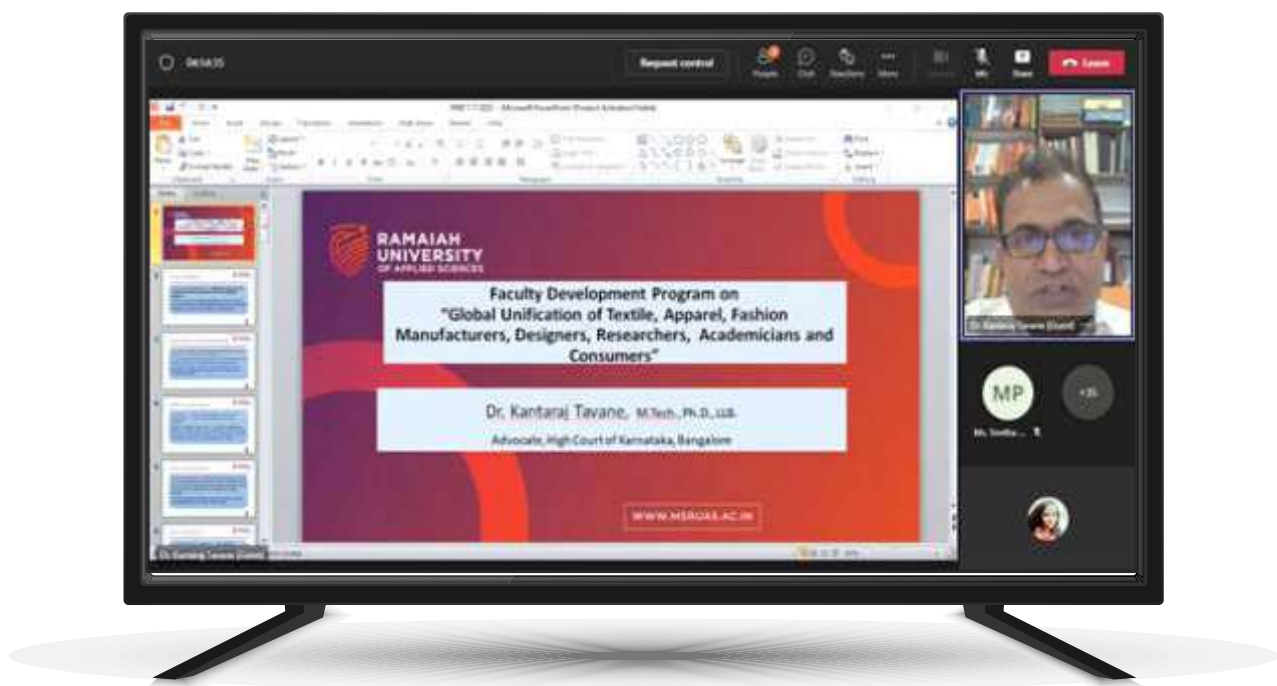
- 5 Days Value Added Program on “Dyeing and Painting”
- 5 Days Value Added Program on “Haute Couture Fashion and Accessories for Digital Era”



## Faculty Development Program:

“Innovative Designing, Research & Teaching Methods for Current Generation Fashion Design Students”-

“Global Unification of Textile, Apparel, Fashion, Manufacturers, Designers, Researchers, Academicians, and consumers- Challenges and Solutions”





## Fashion Choreography and Modelling Workshop

Organized 2 days' workshop on," Fashion Choreography and Modelling" from 06.4.2022 to 07.04.2022.



## Hackathon

Organized International Fashion Hackathon 2021 "Realistic Modern Smart Fashion for the Future-2025" 15 October 2021- 10 December 2021 in hybrid mode.

Organized the valedictory function of "Hybrid Mode International Fashion Hackathon 2021- 'Realistic Modern Smart Fashion for the Future-2025' (BHAVISYA NAVYA CHATUR VASTRA VASTAVAM) on 10th December 2021.



## MoU's:

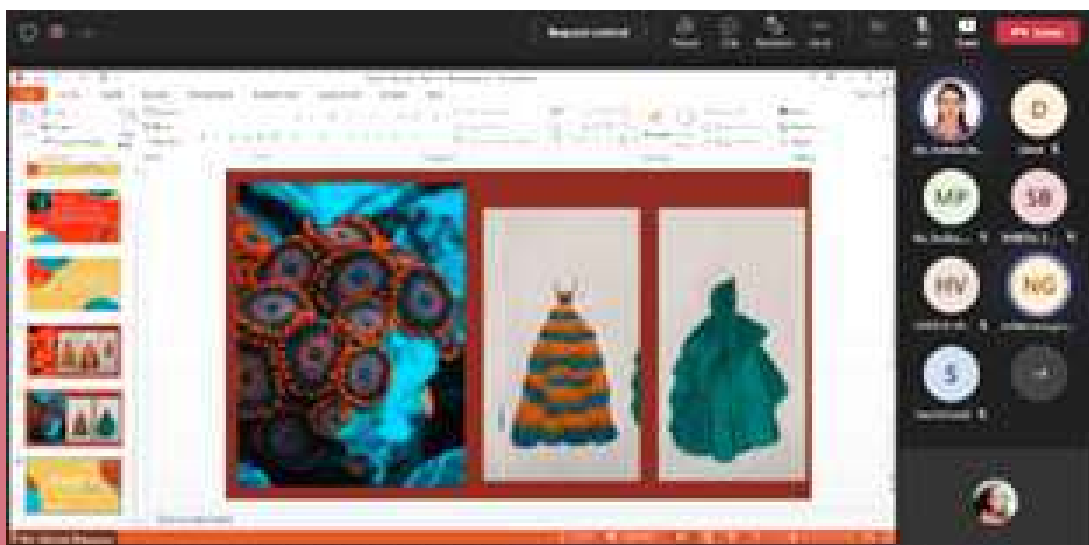
BGMEA University of Fashion & Technology (BUFT), Nishatnagar, Turag, Dhaka-1230, Bangladesh

Leisure Loom INC, #175 and #176, 91 Springboard, 3rd Floor, Phase 4, JP Nagar, Dollars Colony, Bannerghatta Road, Bengaluru

Huemn Interactive Private Limited, H.No.8-2-268/2/B/5, Road No 2, Banjara Hills Hyderabad

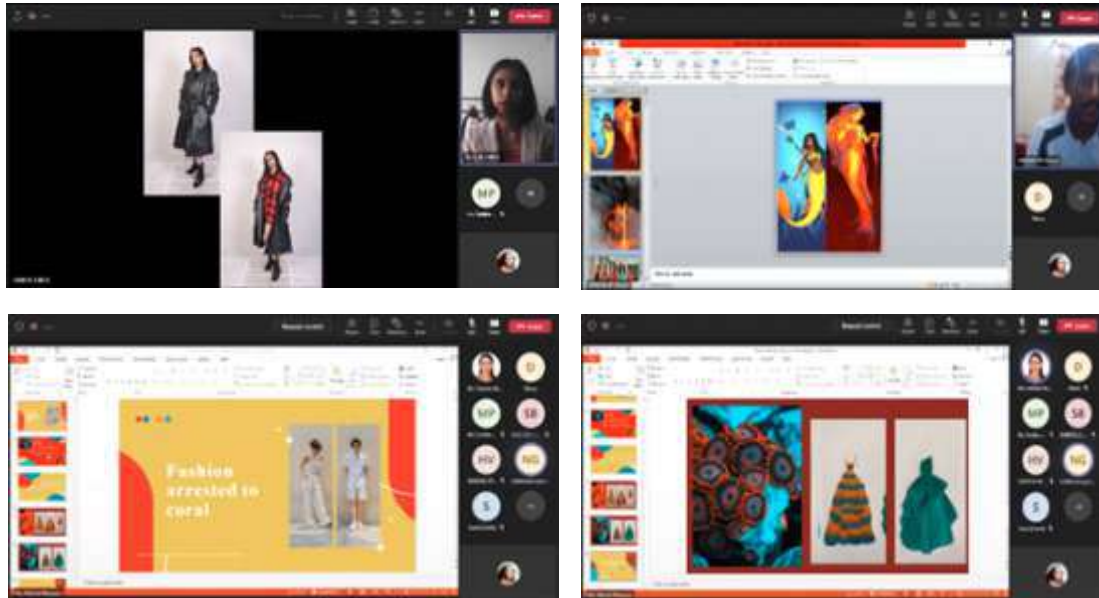
## International Fashion Symposium (IFS – 2022) and Miraki 2022

International Fashion Symposium (IFS - 2022) on “Textile, Apparel and Fashion for Holistic Human living on Earth and beyond, and Miraki Fashion show 2022 was held on 29 April 2022.



## Competition

The Winner Declaration Ceremony of the Portfolio design competition event was held during this Academic year



## Students Corner

Organised 3 Industrial visits to textile and apparel industries and craft centres

Ms Neeraja T. N, V semester student received 2 awards as Ms Kannadathi Runner and Ms Style Icon Award in the event Foot way

6 students from B. Des 2018 batch, 9 students from B. Des 2019 batch, 2 students from M. Des 2020 batch and 3 students from M. Des 2021 batch have done internship in Texport Industries, Shubhangi Boutique, Leisure Loom Inc industries, Good Will, Tamohara, R R K Cotton India Pvt Ltd etc.





## Department of Industrial Product Design



Event Details: Anokhi Student Exhibition  
Date: Friday, 26th November 2021

## Guest Lectures

Design Thinking on 3rd Apr 2021 by Mr Madesh S, Sr Industrial Designer TATA ELXSIDesign  
Validation Models on 24 Mar 2021 by Mr Ravi Kiran KN, Industrial Designer, Co-Founder SAM'S  
Designs, Bangalore  
Prototype Validation –Converting Prototype into a Startup on 25 Mar 2021 by Mr. Sampath  
Kumar, Founder SAM'S Designs, Bangalore  
Effective Integration of Technology in Product Design for Psychological Well-being on 24 Feb  
2022 by Mr Jaideep Tiwari, Founder and CEO of Bramhansh Technology

### Faculty of Dental Sciences



Faculty of Dental Sciences has 9 departments with UG, Pg and PhD programmes. In addition to well-equipped department labs and clinics, FDS has an attached 250-chair Dental Hospital as well as access to the Advanced Learning Center, and partner hospitals, where students learn through observation and practice. This multipronged approach to dental education ensures that, in addition to knowledge, our students are equipped with the skills necessary to navigate the uncertainty of the future. They are molded into independent thinkers, determined scholars, and competent healthcare professionals who prioritize the well-being of patients above all else.

#### *FDS's Outreach Centre*

FDS's Outreach Centre was established in 1999 in the small town of Kaiwara, located northeast of Bangalore. The Centre started with just two dental chairs and has today grown to eight dental chairs that cater to a population with limited access to quality healthcare. Managed by two highly experienced clinicians, it undertakes everything from preventive care to maintenance. Individuals and families from Kaiwara and surrounding villages flock to the Centre for the comprehensive set of specialized oral healthcare services offered. The Centre also conducts oral health programs for Spandana, a school for special children, and organizes camps that focus on oral cancer, cleft lip and palate, and dentures. Today, the Centre serves 30 - 40 patients a day. Plans are currently underway to develop an attached Oral Cancer Prevention Centre as well.



## FDS Activities :

### A. Implementation of NEP 2020

NEP structure has been adopted by all Undergraduate and Postgraduate programmes at FDS implemented from academic year 2022-23

FDS conducted Webinar on "National Education Policy 2020 The way ahead for Health Science Universities with special emphasis on Dental Education Institutions " on the 27th of January 2022



Detailed Schedule			
No.	Topic	Time	Speaker/Resource person
1.	Introduction	10:00 - 10:30 AM	Dr. S. S. S. Kumar, Head, HPEU, Ramaiah University of Applied Sciences, Bengaluru
2.	NEP 2020 - Overview	10:30 AM - 11:00 AM	Dr. S. S. S. Kumar, Head, HPEU, Ramaiah University of Applied Sciences, Bengaluru
3.	NEP 2020 - Key Features	11:00 AM - 11:30 AM	Dr. S. S. S. Kumar, Head, HPEU, Ramaiah University of Applied Sciences, Bengaluru
4.	NEP 2020 - Impact on Health Science Universities	11:30 AM - 12:00 PM	Dr. S. S. S. Kumar, Head, HPEU, Ramaiah University of Applied Sciences, Bengaluru
5.	NEP 2020 - Impact on Dental Education Institutions	12:00 PM - 12:30 PM	Dr. S. S. S. Kumar, Head, HPEU, Ramaiah University of Applied Sciences, Bengaluru
6.	NEP 2020 - Impact on Health Science Universities	12:30 PM - 1:00 PM	Dr. S. S. S. Kumar, Head, HPEU, Ramaiah University of Applied Sciences, Bengaluru
7.	NEP 2020 - Impact on Dental Education Institutions	1:00 PM - 1:30 PM	Dr. S. S. S. Kumar, Head, HPEU, Ramaiah University of Applied Sciences, Bengaluru
8.	NEP 2020 - Impact on Health Science Universities	1:30 PM - 2:00 PM	Dr. S. S. S. Kumar, Head, HPEU, Ramaiah University of Applied Sciences, Bengaluru
9.	NEP 2020 - Impact on Dental Education Institutions	2:00 PM - 2:30 PM	Dr. S. S. S. Kumar, Head, HPEU, Ramaiah University of Applied Sciences, Bengaluru
10.	NEP 2020 - Impact on Health Science Universities	2:30 PM - 3:00 PM	Dr. S. S. S. Kumar, Head, HPEU, Ramaiah University of Applied Sciences, Bengaluru

### B. Collaborations and Engagements

Azadi ka Amrit Mahotsav- celebrating 75 glorious of independence marked this milestone with a power packed event organized by Special Olympics Bharat and Federation of Special Care Dentistry which made its way into the Guinness world record!! Dental screening was done for 200 plus special Olympic athletes by Dept of Pediatric and Preventive Dentistry. Great team effort from our Faculty of Dental Sciences.



### C. Publications :

Observed a Steady increase in the publication rates in the last four years, in the last one year we have published 88 research publications in peer reviewed journals.



FDS Publications 2022		
RESEARCH PUBLICATIONS		
<b>Dept of Oral Medicine and Radiology</b> Scopus – 05 Non-Scopus – 03	<b>Dept of Periodontology</b> Scopus – 06 Non-Scopus – 04	<b>Dept of Pedodontics &amp; Preventive Dentistry</b> Scopus – 24 Non-Scopus – 01
<b>Dept of Prosthodontics, Crown &amp; Bridge</b> Scopus – 05 Non-Scopus – 0	<b>Dept of Public Health Dentistry</b> Scopus – 01 Non-Scopus – 04	<b>Dept of Conservative Dentistry &amp; Endodontics</b> Scopus – 03 Non-Scopus – 0
<b>Dept of Orthodontics &amp; Dentofacial Orthopaedics</b> Scopus – 05 Non-Scopus – 0	<b>Dept of Oral Pathology &amp; Microbiology</b> Scopus – 20 Non-Scopus – 0	<b>Dept of Oral &amp; Maxillofacial Surgery</b> Scopus – 04 Non-Scopus – 03

### D. Research Funding :

Dr. Sivaranjani Gali won the Rafael Bowen Early-Stage Investigator Award at the Academy of Dental Materials, in 2021. The award is given in the name of Rafael Bowen, who invented Bis-GMA and contributed to dental material research. The award fosters international collaborations with funding of about 20,000 dollars.





### ICMR-STS Projects Approved - 2022

Sl No	Student	Mentor	Title
1.	Ms. Dimple Sharma	Dr. Ashmitha K Shetty	Evaluation of Antibacterial Properties of Gold nanoparticle modified Glass ionomer Cement –An In-vitro Study
2.	Mr. Sai Kalyan	Dr. Rajanikanth BR	Development of a simulation model for practicing the administration of dental local anesthesia for educational Purposes
3.	Ms. Upasana Das	Dr. Sowmya SV	Development of a portable and rapid decalcification device for oral hard tissue specimens
4.	Ms. Prishitha Shetty	Dr. Vanishri CH	Development of a histopathological scoring system for the accurate diagnosis of actinomycotic and mucormycotic osteomyelitis – An observational study
5.	Ms. Fathima Tanzeem	Dr. Lalitha Jairam	Formulation of oral mucoadhesive patch incorporating Amla (Phyllanthus emblica) bark and fruit extract to promote wound healing in oral ulcers: An in vitro study

### ICMR – Ad Hoc Projects Approved - 2022

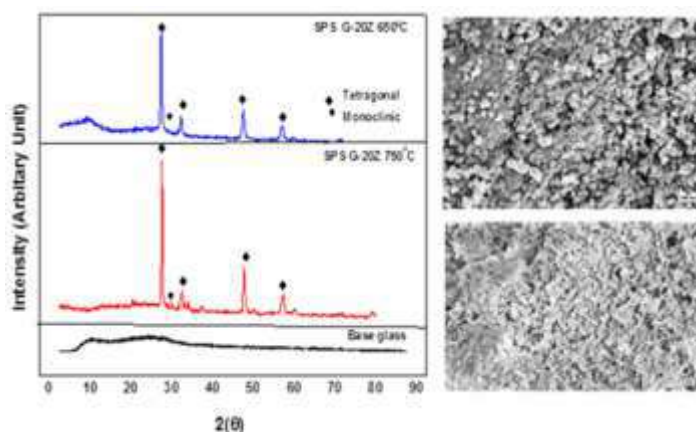
Sl No	Faculty	CO-PI	Title
1.	Dr. Shwetha V	Dr. Deveswaran, Dr. Shruthi, Dr Sujatha, Dr. Vineeth	Development and characterization of novel phytosome based mucoadhesive drug delivery system for management of symptomatic oral lichen planus
2.	Dr. Lalitha Jairam	Dr Sivaranjini Galli	Development of a novel mica-based oral film for prevention of dental caries

## E. Global Exposure to Faculty and PhD Scholars

International Collaboration with Auburn University  
Dr. Sivaranjini Gali

Topic: Spark Plasma Sintered Zirconia-Mica Glass-Ceramics for Dental Restorations

Preliminary studies on 20 wt. % zirconia mica glass-ceramics processed with conventional sintering showed optimal fracture toughness and cytocompatibility with high porosity and low density. Spark plasma sintering (SPS) typically apply simultaneous pressure, temperature and current to densify ceramics. The key goal of the project is to develop a dense SPS ceramic composite 20 wt. % zirconia-mica glass-ceramics for dental restorations. The results reveal influence of processing parameters of temperatures above 7500C on enhancing hardness and fracture toughness of the sintered composites.



## Success Stories :

### F. Faculty Achievement and Development :



#### **Dr Dominic Augustine**

Overall Best Research Paper Award - AIMST International Dental E-Conference, 2021

Best Paper Award - AIMST International Dental E-Conference, 2021

Best Paper Award - 4th International Conference of Forensic Odontology and Child Abuse, King George Medical University, Lucknow

Best Paper - 2nd Global Cancer Summit – 2021



#### **Dr Sowmya SV**

Best Paper Award - 4th International Conference of Forensic Odontology and Child Abuse, King George Medical University, Lucknow

Best Paper Award - 2nd Global Cancer Summit – 2021 (Charles Brenton Huggins Memorial Award)

#### **Dr Lalitha Jairam**

Best Paper Award - 42nd National ISPPD Conference, Virtual

#### **Dr Pushpalatha C**

Best e-poster Award - Global Symposium on Head and Neck Cancer, 2021

### Faculty Development Programs :

- Faculty training on CPR and Active Bleed Control
- Three-day “Workshop on Research Methodology” by Dr. Nagesh L (Prof & HOD, Dayananda Sagar College of Dental Sciences), Bangalore



## G. Internship opportunities

Undergraduates' students (Ms. Yukta HN and Ms. Prishitha R Shetty) were selected for the "Summer school programme - 2022 at Ghent University, BELGIUM." The students applied for the Summer School Programme at Ghent with great enthusiasm and were looking for an enriching experience to advance their budding careers. Under the guidance of their mentors the students wrote a convincing letter to the admissions office at Ghent University. Fortunately, both had the great privilege to be two of the 20 international participants at the Summer School Ghent - Health and Globalization, 2022



## H. Student Activity:

The FDS is constantly buzzing with academic, sports, and cultural events. Students from all faculties enthusiastically participate in university-level cultural events, using them to not only showcase their talent, but to also engage with their peers from different fields of study. Sports enthusiasts can also become part of the university teams and train under attentive mentors and experienced professionals.



### Department of Computer Science and Engineering

The Department of Computer Science and Engineering was established in year 2014. The Department offers four undergraduate programs B.Tech (CSE), B.Tech (ISE), B.Tech (AIML) and B.Tech (MC) and two postgraduate programs M.Tech (DSE) & M.Tech (AIML). The three new undergraduate programs B.Tech (ISE), B.Tech (AIML) and B.Tech (MC) are offered from academic year 2020-21. The Two PG programs are offered from academic year 2019-20. Department also offers Ph.D. degree in various specializations of Computer Science and Engineering.

The intake for undergraduate program B.Tech (CSE) is 60 students in 2014. During 2015-16, the intake is increased to 150 and further increased to 180 in 2019. The other three new B.Tech programs namely ISE, AIML and MC have intake of 60 students each during 2020-21. The PG programs have 18 and 24 students in each for M.Tech (DSE) and M.Tech (AIML).

#### 1. Collaboration with Dept. of Oral Pathology, Faculty of Dental Sciences

- Projects undertaken : (Dr. B.S. Divya, Department of CSE : Principal Investigator)  
Grant: Rs.30 lakhs
- SERB POWER Grant Approved: Project titled "To develop Computer-Aided Diagnosis and risk stratification of Odontogenic Keratocysts from histopathological images of incisional biopsies"  
PI Dr. Divya BS, Co-PI Dr. Roopa Rao, Co-PI Dr. Kavitha Prasad.

#### 2. Guest Lectures:

- Applications with NodeJS, Dr. Yatish Bathla, Obuda University Budapest, Hungary, 11/06/2021.
- Cyber Law and You, , Advocate Sushanth Samudrala, Cyber Law Expert & Techno, 23/06/2021

#### 3. Co and Extra Curricular Activities:

Freedom Coding Contest - Coding Competition - Mr. Nithin Rao R  
Students : Sadhana, Srikanth, Apoorv

#### 4. Coding club activities :

- Cynergy is the first of its kind coding club at RUAS.
- The purpose of Cynergy is embodied in its core open principles - Collaboration, Innovation and Competition.
- Cynergy is a platform to promote learning and development of programming skills. It empowers students with competitive programming skills through activities like Hackathon and Expert Training sessions.



## 5. National Level Hackathon Winners : 2022

Ms. Simran Nigam and Mr.Pradeep H R of 4th semester B.Tech in Computer Science and Engineering students, has attended Hackathon and won the first position in "The Engineer Hackathon", organized by Computer Science Committee of Engineer '22 , held at National Institute of Technology Karnataka Surathkal, Mangalore – 575025. Certificates are attached for reference.



## 6. Awards to faculties:

Annual Exemplary Faculty - Awarded on the occasion of Teachers Day celebration, 6th September 2021.

- |                      |                    |                              |
|----------------------|--------------------|------------------------------|
| a.) Dr Rinki Sharma  | b.) Dr Divya B S   | c.) Mrs. Jishmi Jos Choondal |
| d.) Mr. Hari Krishna | e.) Mr. Nithin Rao |                              |

### Publications:

- 1.) Patents - 5
- 2.) Journals (Scopus indexed) - 32
- 3.) Conferences publications (Scopus indexed) - 21
- 4.) Book Chapters (Scopus indexed) - 22

## Department of Civil Engineering

International Conferences /Journal Publications.: 10

Faculty Development Programs & Webinar :

- Eshwar Reddy and Dr. Nayana N.Patil attended a Five-Day National Level Online Faculty Development Programme (FDP) on Design and Construction practices of Bridges" from 30th August 2021 to 3rd September 2021, organized by the Department of Civil Engineering, Mangalore Institute of Technology & Engineering, Moodabidri
- Padala. S.P.S., attended workshop on Machine Learning for Construction Automation organized by IAARC Students Chapter of IIT Madras from 4th to 8th June 2021.
- Nayana, N. Patil , attended a two day International Workshop (online) on "Case Histories in Geotechnical and Geological Engineering - Theory to Practice" on 25th and 26th of March, 2021, NIT-K, Surtahkal

### Awards to faculty members

- Annual Exemplary Faculty –RUAS – Awarded to 4 faculty on , 6th September 2021.

- 1.) Dr. H M Rajashekar Swamy    2.) Dr. Nayana N Patil
- 3.) Dr. Harshad Ramesh Parate    4.) Mr. Akshaykumar V Hanagodimath

### MoU with the C-STEP

20ETCE125001	Anusha S	Techno-Economic Assessment to develop clean air action plan for cities -Trichy, Hubli-Dharwad, Varanasi, Raebareli and Gajraula.
20ETCE125005	Pragathi A P	Understanding air pollution challenges in the state of Punjab and carrying out Techno-Economic Assessment for the Amritsar district.
20ETCE125009	Supritha M	Techno-economic assesment for developing clean air action plan-Jodhpur, Alwar, Udaipur, Jammu and Srinagar Cities.

- Extensive Survey Camp held during 17th September to 29th September 2021 at Devrayanadurga



## Department of Electrical, Electronics and Communication Engineering

### Milestones achievements of EECE Dept

- 34 Teaching Faculty - 13 faculty with Ph.D.
- 19 faculty members are pursuing Ph.D.
- Adequate Infrastructure / Laboratory facilities
- 51 Research scholars are pursuing Ph.D. and three research scholars have submitted their Ph.D. Dissertation
- Faculty members submitted 4 Research Proposals and filed four patents
- Faculty members actively involved in research publications (14 journals are published)
- Conducted three Value added courses

### Awards and Achievements

- Dr. S. Malathi Received a 2021 Senior Member Increase Initiative Award for Senior Member Elevation Drives
- Dr. Ugra Mohan Roy has received annual exemplary faculty award-2021 from RUAS, on 7th September 2021.
- Dr. Manickavasagam and Mrs. Nikita T. Received a IET Premium Award 2021 for journal paper published by IET Electric Power Applications
- Dr. S. Nagaraja Rao and Veerabhadra Received IEEE Best Paper Award for paper presented at IEEE conference – ICDCOT 2021
- Mr. Ranjith Pawar has received annual exemplary faculty award-2021 from RUAS, on 7th September 2021 under non-teaching faculty

### Patents awarded

#### Indian Patent : 02

- Dr. Varun, Prof. Kadambi and Dr. Tim
- Dr. Punithavathi and Mr. Divya Kiran

#### International Patent : 01

- Dr. Christy and team – Australian Innovation Patent

### Journal Publications:

#### Journal Publication –14 Journals

- Prajwal K.T and Manickavasagam : Q2 (2)
- Pranupa, S. Nagaraj rao and A T Sriram : Q1
- Swathi, Govind Kadambi and Hariharan : Q3
- Anusha Vadde, Govind Kadambi and Siddabasappa : Q2
- Kiran kumar and S. Nagaraj Rao : Q2
- Veerabhadra and S. Nagaraj Rao: Q1
- S. Nagaraj Rao, Praveen Kumar V, Kiran Kumar, Pranupa : Q1
- Sudha and Anusha Vadde: Q2
- Dr. Christy Bobby: Q2
- Anusha Vadde, Sudha and Praveen
- Dr. Pallaviram Sure : Q2
- Dr. D. Punithavathi - Q1, Q3
- Anusha Vadde, Sudha and Praveen



## Department Specific MoUs and Collaborations

Sl. No.	MoU Signing Year	National / International	Name of the Collaborating Agency	Outcomes
1	2021	National	UCAM India Pvt. Ltd. A11, A12, 1 <sup>st</sup> Cross Rd, Peenya 1 <sup>st</sup> Stage, Peenya II Phase, Peenya, Bangalore 560058	<ul style="list-style-type: none"> <li>• Internship and Placements to Students (Mechanical and Electrical Engineering)</li> <li>• Joint Proposal Submission</li> <li>• Possibility of Collaborating on Ph.D. Programme for UCAM Employees</li> </ul>
2	2021	National	Laboratory for Electro Optic Systems, ISRO, Peenya, Bangalore	<ul style="list-style-type: none"> <li>• 2021 - Project opportunity 5 UG students (2018 Batch)</li> </ul>
3	2022	National	L & T Tech Serives Ltd	<ul style="list-style-type: none"> <li>• Internship 15 UG students working at LTTS (EECE)</li> </ul>
4	2022	National	Centre for Antenna & Radio Frequency (CARFS) RUAS - RIT	<ul style="list-style-type: none"> <li>• Joint Proposal &amp; Paper Submission</li> <li>• Guiding co-guiding Ph.D. Scholars</li> </ul>
5	2022	National	Centre of Excellence in Cyber Physical Systems - Video Analytics	<ul style="list-style-type: none"> <li>• Joint Proposal &amp; Paper Submission</li> <li>• Guiding co-guiding Ph.D. Scholars</li> </ul>

## Industrial Collaboration

Programme	Details	Industry	Stipend	Candidate Name	Supervisor(s) Name
PhD On-going	Design of non contact type flow meter	ABB	Rs.30,000/- per month	Mrs. Anusha Vadde Asst. Prof.	Dr. Siddabasappa C., Prof. Govind R Kadambi, PVC

Dr. Varun, Indigenous Development of CW HPRF Adapter for ELTA Pod  
(33 Wing AF Station Jamnagar)



## Events Conducted

Sl. No.	Event Type	Title	Resource Person	Date
1.	Webinar	Embedded Systems : An Overview, Getting Started, and Opportunities	Mr. Sanjay Adhikari	4 <sup>th</sup> March 2022
2.	Distinguished Lecture	Sensing The World Around Us -Using Nerves of Glass	Dr. Balaji Srinivasan	10 <sup>th</sup> March 2022

## Department of Mechanical Engineering

The Department of Mechanical Engineering in RUAS has been an integral part of the Faculty of Engineering and Technology since the inception of the University. The department offered two B.Tech. programmes – Mechanical Engineering and Robotics at the Undergraduate level and three M.Tech. programmes – Advanced Machinery Design, Robotic Engineering and Manufacturing Technologies and Engineering Management in the Academic Year 2021-22.

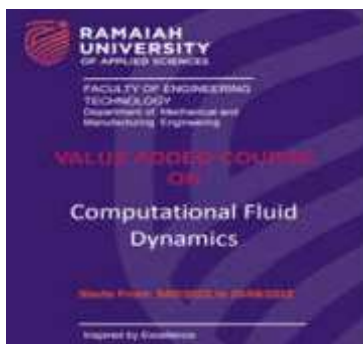
### Milestones and Achievements of the Department

Dr. N.C. Mahendra Babu, Professor and Head, and Mr. Manjunath M Ullegaddi, Assistant Professor, and Mr. Nagarjuna M.A., Masters student, in the department of mechanical engineering were awarded a patent pertaining to the invention entitled 'Mini Sugarcane Harvester' on 22/02/2022. The department signed an MOU with esteemed organizations like IPIRTI, 515 Army Base Workshop, UCAM etc. and executed projects for them with the help of B.Tech. and M.Tech. students. The projects executed serve a wide range of applications right from agricultural and farm machinery, industrial equipments, medical rehabilitation and also general everyday applications



The faculty members of the department have published over 20 technical papers in Scopus Indexed and UGC Indexed journals, books and book chapters.

## Symposiums / FDP / Conferences / Workshops conducted



### Value Added Course on Computational Fluid Dynamics

### One Day Workshop on Digital Manufacturing and Industry 4.0



### International symposium on Design, Modelling and Simulation for Additive and Custom Manufacturing of Metals

### International Symposium on Futuristic Trends for Sustainable Development



### International Symposium on Engineering Analysis for Product Development – Industry 4.0 Era

## Co - Curricular activities

Industrial Visit to 2<sup>nd</sup> Year M/s Nidhin Enterprises, Peenya on 14/01/2022



Industrial Visit to 2<sup>nd</sup> Year M/s VR Industries Pvt Ltd, Peenya on 18/01/2022



Industrial Visit for 3<sup>rd</sup> Year students to M/s Aditya Auto Parts Pvt Ltd. Peenya on 03/03/2022



Industrial Visit for 4<sup>th</sup> Year students to M/s TVS Motors Company, Mysore on 22/04/2022



### **Awards to faculties/students either from in-house or outside**

Dr. Ananth S Iyengar and Mr. Pavan Kumar Reddy guided 4 students from B.Tech. Mechanical Engineering, Mr. N. Akhileshwaran, Mr. Charan H.M., Mr. M Vineeth and Mr. Niranjan V.M. for a project titled 'Development of Personal Cooling Unit for Thermal Comfort beneath the PPE Kit for Hospital Staff working for COVID 19'. This project was sponsored by the Karnataka State Council for Science and Technology's 44th Series of Student Projects – Year 2020-21. It was also awarded the Best Project by the Council for the year 2020-2021

Mr. Pritam Bhat guided 4 students from B.Tech. Mechanical Engineering, Mr. Abdul Mannan Mujawar, Mr. Siddarth Tiwari, Mr. Chetan V and Ms. Thanya M E, for a project titled 'Development of an Effective Battery Thermal Management System using Evaporative Cooling Technique'. This project was sponsored by the Karnataka State Council for Science and Technology's 45th Series of Student Projects – Year 2021-22. It was also awarded the Best Project by the Council for the year 2021-2022

Dr. Ananth S Iyengar and Mr. Abhilash N guided 4 students from B.Tech. Mechanical Engineering, Mr. Sankeerth L, Mr. B Mohan Das, Mr. Mohammed Naveed and Mr. Shashank D, for a project titled 'Design, Development and Analysis for Conversion of Domestic Food waste to Hydro char using Hydrothermal Carbonization'. This project was sponsored by the Karnataka State Council for Science and Technology's 44th Series of Student Projects – Year 2020-21.

Dr. Ananth S Iyengar guided 4 students from B.Tech. Mechanical Engineering, Mr. Pavan J Gowda, Mr. Rakshith R, Mr. Manjunath and Mr. Akhilesh S, for a project titled 'Design and Development of Hydrogen Based Dual Fuel SI Engine'. This project was sponsored by the Karnataka State Council for Science and Technology's 45th Series of Student Projects – Year 2021-22.

Dr. Rahul M Cadambi from the department of mechanical engineering was recognized with the Exemplary performance award during the Teachers Day Celebration organized by Ramaiah University of Applied Sciences on 06/09/2021.

Dr. M C Murugesh from the department of mechanical engineering was recognized with the Exemplary performance award during the Teachers Day Celebration organized by Ramaiah University of Applied Sciences

### **MOU's and Internships**

The Department of Mechanical Engineering has an agreement with M/s TVS Motors Company based on which the organization sponsors their employees to pursue the M.Tech. programme at Ramaiah University of Applied Sciences every year.

Apart from this, the department also has signed MOUs with companies like M/s UCAM Pvt Ltd, Bangalore, ETA Technologies Bangalore, 515 Army Base Workshop, Bangalore, LnT Technical Services, CMTI Bangalore, and Ducom Instruments Pvt Ltd, Bangalore. Students pursue internships and projects on a regular basis in these organizations.



## Hackathons

Dr. Rahul M Cadambi from the Department of Mechanical Engineering guided six students, Mr. Manogna Haritas, Mr. Halesh K S, Mr. Harsha Anand, Mr. Hemanth Kumar, Mr. Mukesh Shetty and Ms. Piyush Devangan in the Smart India Hackathon 2020 – Hardware Edition. The team won the first place in the event and was awarded a cash prize of Rs 1 Lakh in November 2021.



## Department of Automotive and Aeronautical Engineering

The Department of Automotive and Aeronautical Engineering in RUAS is an integral part of the Faculty of Engineering and Technology since the inception of the University. Initially the department offered five M. Tech. programmes in Automotive Engineering, Automotive Product Design, Automotive Powertrain Design, Aircraft Design and Turbomachinery Design. Subsequently, in the academic year 2017-18, the department started to offer B. Tech. programmes in Automotive Engineering and Aerospace Engineering. From the academic year 2019-20, the department is offering M. Tech. programmes in Automotive Engineering and Aerospace Engineering.

Currently the department has 11 faculty members, with 8 PhD holders graduated from well-reputed institutions like University of Arizona USA, IISc, IIT, Coventry University-UK etc.

### Milestone achievements of the department :

#### Patents awarded : 3

- Prof. Q. H. Nagpurwala, Vijay Kumar Jain and Abdul Nassar were awarded a patent pertaining to the invention entitled 'Method, System & Appartus for Increasing the Stall Margin in an Axial Compressor' on 22/12/2021.
- Dr. M. D. Deshpande, Dr. M. Sivapragasam and Mr. Umesh S. were awarded a patent pertaining to the invention entitled 'Apparatus for Enhancing Aerodynamic Sensitivity of a Chemical Sensor' on 15/06/2022.
- Narasimha Murthy K.R. and Hima Kiram Vithal were awarded a patent pertaining to the invention entitled 'Automatic Vehicle Load Estimation for Controlling Engine Power'



## **Publication : 26**

- The faculty members of the department have published over 26 technical papers in Scopus Indexed and UGC Indexed journals, books and book chapters.

## **Sponsored Projects : 07**

### **Completed :**

- Dr. Srikari S. has completed the sponsored project titled "Design and Development of High Performance Magnetostrictive Cobalt Ferrite Thin Films for Sensors and Actuators Applications," with Dr. P. N. Anantharamiah (Department of Chemistry/FMPS) for DST-SERB.
- Dr. Srikari S. and Dr. H. K. Narahari have completed a sponsored project titled "Development of Heat Flux Sensor for Aero Gas Turbine Engine Combustors," with Dr. Malathi S. (Department of ECE/FET) for ARDB under GTMAP programme.
- Dr. M. Sivapragasam and Dr. H. K. Narahari have completed a sponsored project titled "Aerodynamic Shape Optimization of Fixed Wings at Low Reynolds Numbers with Flow Transition for Micro Air Vehicle Applications," for Aerodynamics Panel of ARDB.
- Dr. Jayahar S. has completed the sponsored project titled "Formation and Control in Fly Robots for Border Security," with Ms. B. K. Swathi Prasad (Department of ECE/FET) for KSCST.

### **Ongoing :**

- Dr. Srikari S. has an ongoing sponsored project titled "Synthesis and Characterization of a Novel Bioactive Theobromine Based Nanofiber Composite as a Dental Restorative Material," with Dr. Pushpalatha (FDS) and Dr. Deveswaran R. (FPH) for ICMR.
- Dr. Srikari S. is a Fellowship Supervisor for "Experimental and Simulation Studies on Prediction of Crack Initiation and Propagation of Fracture in Dental Ceramic Restorations," - Early Career Development Fellowship of Wellcome-DBT Trust for Dr. Sivaranjani Gali (FDS).
- Dr. Mahesh K. Varpe has an ongoing sponsored project titled "Enhancement of Aerodynamics Performance of a Low-Speed Wind Turbine for Offshore Power Generation," of VGST.

## Corporate Training and Invited Speaker

- The faculty members: Mr. Umesh S, Mr. Monish Gowda M H and Dr. Srikari S have delivered seven Corporate Training Programmes for Mercedes-Benz R & D India and Continental India.
- Dr. Srikari S. has delivered a FDP: VGST on “Selection of Materials and Processing: Structural Applications,” at Vivekananda College of Engineering and Technology, Putturu, Karnataka.

## Symposium/FDP/Conferences/Workshop Conducted

- 27 Aug 2021: One-Day Webinar on Electric Vehicles -Solution for Future Transportation



- 20 October 2021: Invited Talk on “Material Property Data Generation Tests For Metallic and Composite Materials for Aircraft Structures,” by Dr. C. M. Manjunatha, Chief Scientist, Structural Integrity Division CSIR-National Aerospace Laboratories



- 20 April 2022: Career Guidance Programme by Indian Air Force



- 27 April 2022: Invited Talk on FILTRATION MEETS SIMULATION - A Multiscale Challenge by Dr. Florian Keller and Dr.-Ing. Christoph Schulz, MANN+HUMMEL, Germany.



- 30th & 31st May 2022: International symposium on Design, Modelling and Simulation for Additive and Custom Manufacturing of Metals



- International Symposium on Engineering Analysis for Product Development – Industry 4.0 Era

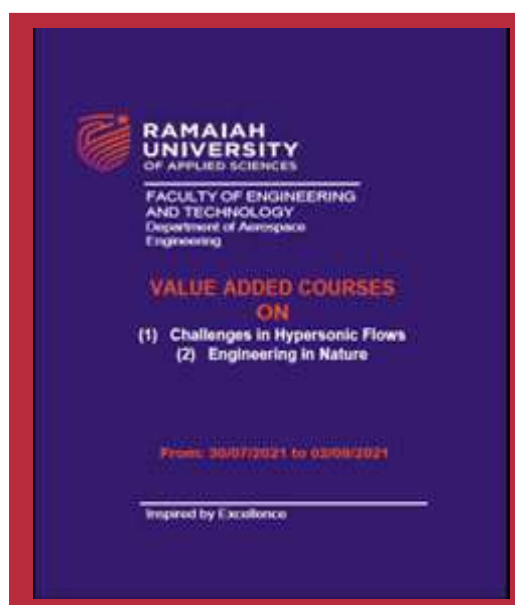


### PhD awardees

Pranesh Chandrasekaran, "Surrogate Model-Based Aerodynamic Shape Optimisation of Fixed Wings at Transitional Low Reynolds Numbers for Micro-Air Vehicle Applications," under the supervision of Dr. H. K. Narahari, Dr. M. Sivapragasam and Dr. M. D. Deshpande.

### Co-curricular activities

- Value Added Courses :
  - ♦ Challenges in Hypersonic Flows and Engineering in Nature 30 July 2021 to 02 August 2021



- ♦ Computer Aided Modeling 27 December 2021 to 07 January 2022
- ♦ Visit to IAF Induction Publicity Exhibition Vehicle on 20 April 2022.



- ♦ Visit to HAL Museum and Heritage Centre on 16 December 2021



- ♦ Participation of ASE students in National Aerospace Conceptual Design Competition conducted by the Aeronautical Society of India







- ♦ Participation of ASE students in the Ramaiah SAT project

### Awards to faculties/students either from in-house or outside

- Best Paper Award to Rishab M. Chitgopekar for his paper titled “Numerical Simulation of Hypersonic Flow Over Orion CEV Re-entry Vehicle Using SU2,” during 1st International Conference in Fluid, Thermal and Energy Systems held at NIT, Calicut during 9-11 June 2022.



- Mr. Sohan R. scored AIR 43 in GATE 2022. Further, six students cleared GATE 2022.



## MoU's or Internship

- V. N. Sheetal, M. Tech. ASE, Internship at Bell Textron, Bangalore
- Mr. Sukruth Challa, M. Tech. ASE, Aeronautical Development Establishment, DRDO, Bangalore
- Mr. Nishal Sanil Monteiro, M. Tech. ASE, Aeronautical Development Establishment, DRDO, Bangalore
- Mr. Praveenkumar Addrasi, M. Tech. ASE, Aeronautical Development Establishment, DRDO, Bangalore
- Mr. Preetham Sangamesh Sangamad, M. Tech. AE, CMTI, Bangalore
- Mr. Kadhal Perumaan B, M. Tech. ASE, Technocentre, RUAS, Bangalore
- B. Tech. in Automotive Engineering- 18 Students :
  - ♦ Organisations: KSRTC, BEL and BEML etc.
- B. Tech. in Aerospace Engineering- 35 Students :
  - ♦ Organisations: HAL, ISRO, TCS, Brahmastra Aerospace Systems and Omspace Rocket and Exploration Pvt. Ltd. etc.

## Any other activities :

- Farewell party to the outgoing students of B.Tech and M.Tech Automotive Engineering and Aerospace Engineering students on 20th Nov 2021.
- Women's Day Celebration at RTC on 26th March 2021.



## Faculty of Hospitality Management and Catering Technology (FHMCT)

The Faculty of Hospitality Management and Catering Technology deliver competency based education in hospitality and management with inter and multidisciplinary approach. Established in 1993, 1400+ Graduates, five departments offering 4-Year Full Time -BHM Programme

**Facilities:** Practice and practical application are crucial components of an education at the Ramaiah University of Applied Science and this is reflected in the well-planned facilities on our campuses.

The facilities give students the opportunity to master the skills necessary to develop a deep understanding of their fields. Students learn under the close guidance and supervision of faculty members and experts. The hands-on learning received in these labs give them a distinctive edge over their peers, helping them begin their careers as knowledgeable professionals.

- Quantity Skills Kitchen, Basic Skills Kitchen, Advanced Skills Kitchen, Bakery and Confectionary, Studio Kitchen
- Three Training Restaurants
- Two Front office labs
- Two Housekeeping Labs
- Two Training Guest rooms
- Two ICT Labs

### Field Visits

Date	Place	Purpose	Batch	Department
9 <sup>th</sup> March 2022	Lalith Ashok, Bengaluru	Latest trends in kitchen equipment and their uses	Batch 2018-22, PCE-II Food Media Study	Food and Beverage Production
9 <sup>th</sup> March 2022	The Biere Club	To keep abreast with the latest trends in brewing, get an insight into the procedures and equipment used in producing craft beer and examine the various styles of craft beer	Semester : 2nd BHM Batch 2021-25	Food and Beverage Service

## Details of delivery beyond syllabus

Name of the value added courses offered	No. of times offered during the same year	Duration of the course	Number of students enrolled in the year	Number of Students completing the course in the year
Food Writing & Photography	1	30 Hours	15	14
Certification in Hotel Industry Analytics - (CHIA)	1	44	4	To be completed
Entrepreneurial Essentials	1	30 Hours	12	12
Journey of a Successful Food entrepreneur	1	35 Hours	20	20

## Guest lectures and Seminars- 2021 - 22

Batch & Semester	Date	Topic	Guest Name	Designation & Organisation	Number of students attended
2018 - 22 VIII Sem	19 <sup>th</sup> April 2022	Market Brainstorming, Sales & marketing, Marketing & communication, Marketing trends post covid-19	Mr. Nikhil Ranganath	Marketing and Communications Executive, Sheraton Grand Bangalore Hotel at Brigade Gateway, Alumnus - Batch 2017	12
2018 - 22 VIII Sem	8 <sup>th</sup> April 2022	MSME Schemes, Identification of Projects, Preparation and Submission of Proposals	Mr. Gopinath Rao, IEDS,	Dy. Director, MSME-DI, GOI	28
2018 - 22 VIII Sem	17 <sup>th</sup> March 2022	Concept Development	Ms. Gouri Kaushik	Managing Director Pibbles- Plant Based Edibles	40

<b>Batch &amp; Semester</b>	<b>Date</b>	<b>Topic</b>	<b>Guest Name</b>	<b>Designation &amp; Organisation</b>	<b>Number of students attended</b>
2018 - 22 VIII Sem	17 <sup>th</sup> March 2022	Sensitisation on Licencing and Registration Regulations	Mr. Thammaiah N.D.	Managing Director Swashthya Food Consulting	40
2018 - 22 VIII Sem	24 <sup>th</sup> Feb, 2022	Essentials of Opening a Housekeeping Company	Ms Subhadra	Proprietor, Sai Housekeeping Services	12
2018 - 22 VIII Sem	26 <sup>th</sup> Feb 2022	Taking Risks for a Venture	Ms Kamala M. K.	Proprietrix Panchajanya Group of Companies, Bangalore	12
2020 - 24 III Sem	1 <sup>st</sup> Feb 2022	Role of Industrial Exposure Training in Shaping the Professional Mindset of a Future Hotelier	Mr. Sumit Sinha	Food & Beverage consultant	80
2018 - 22 VIII Sem	11 <sup>th</sup> Feb 2022	Food Writing and Photography	Chef Mario Pradeep	R&D Chef Altavita Diet Solutions, Restaurant Consultant / Food Writer	20
MBA & VII Sem	14 <sup>th</sup> Feb 2022	Customer Relationship Management programmes and Marketing Strategies	Mr. Mahesh Anandache	Learning and Development Manager, Four Seasons Hotel	20
2018 - 22 VII Sem	24 <sup>th</sup> Dec 2021	Channel distribution management & Pricing strategies in Hotels	Mr. Nipun Bhola	Cluster Manager - Revenue Management and Distribution, Lemon Tree Hotel	20
2017 - 23 VIII Sem	29 <sup>th</sup> Oct 2021	"The Role of Organization in Environment and Tourism Sustainability".	Ms Seema Bhatt	Honorary Vice President of Responsible Tourism Society of India	16



Batch & Semester	Date	Topic	Guest Name	Designation & Organisation	Number of students attended
	28 <sup>th</sup> Oct 2021	"The Role of Organization in Environment and Tourism Sustainability".	Mr. Pranab Patar	Chief Executive, Global Foundation for Advancement of Environment and Human Wellness	36
2018 - 22 VII Sem	28 <sup>th</sup> Oct 2021	"The Role of Organization in Environment and Tourism Sustainability".	Mr. Pranab Patar	Chief Executive, Global Foundation for Advancement of Environment and Human Wellness	36
2021 - 25 I Sem	22 <sup>nd</sup> Sept 2021	Transformation of a students into a F&B professional	Ms. Saynee Basu	Director - F&B. Taj	80


## Workshops

Year	Date	Semester / Students Participated	Course	Topic	Industry Expert	Designation
2021 - 22	28 <sup>th</sup> April 2022	Batches 2018 - 22 2021 - 25	Food Service Entrepreneurship	Testing for Food Adulteration	Mr. Shubhalingam	Food Analyst

## Consultancy Project Offered by Faculty Members

Sl. No.	Name of the consultants	Name of consultancy project	Consulting/ Sponsoring agency with contact details	Year	Revenue generated (INR)
1	Sridhar Krishnan, Nagarekha Palli, Sreekanth N., Priya Arjun,	Development of Indian Sweets using Stevia	Stevia World Agro Pvt. Ltd	2021 - 22	1,19,415

## Training Imparted by Faculty to Other Organization Staffs

Sl. No.	Organization	Year	Training Purpose	Number of Participants	Faculty-Resource person
1	The Learning and Development -HUB Karnataka Region, Taj Group of Hotels	2020 - 21	Food and Beverage Service Fundamentals for the Apprentices of Taj Hotel	9	Ms. Priya Arjun Mr. Sreekanth N. Mr. Raghavendra T. 

## Academia-Industry Interface

Sl. No.	Date	Organization	Purpose
1	8 <sup>th</sup> May 2022	Professional Housekeepers Association	Planning industry academia events for the coming year
2	9 <sup>th</sup> March 2022, 10:30	Rational International India Pvt Ltd.	Keeping abreast with the latest equipment used in the industry
3	21 <sup>st</sup> Feb 2022	Leela Palace(4 students + 10 industry experts + 6 hours)	Launch of Leela Leadership Development Program
4	27 <sup>th</sup> Sept 2021	International Chamber for Service Industry	Academia - Industry Confluence : World Tourism Day - Tourism for Inclusive Growth

## Certification Programmes

Academic Year	Organisation	Certification	No of Students Certified
2021 - 22	Tulleeho	 <p>Wines and Spirit Education Trust in Spirits Level 2 Sample WSET Certificate</p>	1 (Certified) 2 (Result Awaited)
2021 - 22	Tulleeho	Wines and Spirit Education Trust in Wines Level 2	1 ( Result Awaited )
2021 - 22	Seven Rivers Brewing Company	 <p>Master Craft Course Sample Mastercraft certificate awarded by 7 Rivers</p>	16 - Completed 08 - Results Awaited

## Internship and Placement

Students at FHMCT undergo Industrial Exposure Training (IET) during the III Semester and Specialisation Training during the VI Semester.

All students of Batch 2019-23 had undergone Specialisation Training from India and abroad. Three students pursued Specialisation Training from France.

Students got an opportunity to work with some prestigious leading brands such as The Oberoi, Taj Hotels, Marriott Hotels, Hilton Hotels, Four Seasons.

All students of Batch 2020-24 pursued Industrial Exposure Training from leading hotels in India such as ITC, Evolve Back, The Oberoi, Taj Hotels, Marriott hotels.

The final year students appear for campus placements every year. About 30 students chose to pursue Higher Education. 6 students opted to start their own business or join their family business.

The students were selected at Ikea, The Leela Hotels and Hotel Four Seasons. Students also opted to join facilities management companies and e-commerce companies such as Dusters Total Solution, JLL and Amazon.

About six students chose to work abroad - Canada, Australia, USA and Dubai were some of the preferred locations.

## Workshops

Sl. No.	Year	Type of Hotel	Number of Students
1	2021 - 22	Hotels Overseas	02
2	2021 - 22	Hotels / Organisations in India	148



## Publication & Symposium

### International Journal-SCIMAGO- Q3

D.P. Sudhagar, Jamgade Sweety (2021), Impact of COVID-19 on Travel Intentions in Silicon Valley of India- Testing the Efficacy of the Theory of Planned Behavior, International Journal of Business Innovation and Research, (in press DOI: 10.1504/IJBIR.2021.10038350).

### National Journal

Sweety Jamgade, Abby Mathew (2021), Collaborative Operations of Hospitality Industry during COVID-19 Lockdown and Strategic Approach with reference to Bangalore, India, Atna Journal of Tourism Studies, 16(1).

Abdul Kareem, Sweety Jamgade (2021), Enhancement of Elderly Care and Experiences in Hospitality and Tourism, Journal of Management & Commerce, 7(01), pp.22-26.

### Symposium

Sweety, Jamgade attended symposia on CRiT Summer School on Tourism and SDGs in association with the Centre for Research and Innovation in Tourism (CRiT) and Taylors University, on 26-30 July 2021.

### Workshops

Ms. Imon Sengupta from Batch 2019-23 Secured 100%, in Spirits Level -2 conducted by Wine & Spirit Education Trust (WSET) ,London held on February 2022





'Hospitium Magazine' a bi-annual publication, since 2019- A platform to 'bring out the writer in the teaching faculty, industry, students and scholars'-5 issues circulated through electronic mode to more than 400 stakeholders



Collaboration to start PGDFM, Schevaran Cleanfix Academy of Cleaning Science, Mysuru- 11 months program in Aug -Sept 2022



## Faculty of Life and Allied Health Sciences (FLAHS)

**Faculty of Life and Allied Health Sciences (FLAHS)** has a vision to transform into a Centre of Excellence for Multidisciplinary Education and Research in the sustainable development goal for Health and Well Being. FLAHS is in existence for 4 years now (initiated in 2018), and has 3 departments: Biotechnology (BT), Food Technology (FT), and Allied Health Sciences (AHS). AHS has 3 divisions: Allied Health Sciences, Hospital Administration and Public Health. FLAHS offers 13 programs (7 bachelors, 6 masters) and PhD.

**Facilities :** Practice and practical application are crucial components of an education at the Ramaiah University of Applied Science, and this is reflected in the well-planned facilities on our campuses.

The facilities give students the opportunity to master the skills necessary to develop a deep understanding of their fields. Students learn under the close guidance and supervision of faculty members and experts. The hands-on learning received in these labs give them a distinctive edge over their peers, helping them begin their careers as knowledgeable professionals.

The facilities at FLAHS include a comprehensive range of labs that cater to the needs of different departments and different fields of study. These laboratories are well equipped to carry basic research in the various fields of Life Sciences. The classrooms are fully furnished, and IT enabled with state-of-the-art technology to be at par with the standards set by the world's best institutions.



### Biotechnology Laboratories

- Molecular Biology facilities
- Biochemistry Facility
- Animal Tissue Culture Facility

### Food Technology Laboratories

- Food processing facilities
- Food Quality facilities

### FLAHS Activities :

#### Implementation of NEP 2020

NEP structure has been adopted by all Undergraduate programs at FLAHS implemented from academic year 2022-23

#### Collaborations and Engagements



## Publications :

Observed a Steady increase in the publication rates in the last four years, in the last one year we have published 43 research publications in peer reviewed journals. The COVID compendium a book authored by 90 researchers and experts from Ramaiah group of institutions and international universities like University of Illinois Chicago, University of Manitoba Canada, University of Nairobi was also published.



Few High impact publications and published books

## Research Funding:

Government sources - VGST (15 L) and ICMR (48 L)  
Consultancies – KHPT (4.5 L) and Star Health (4 L)  
Internal seed funding – 9 projects amounting to 24.2 Lakhs



## Global Exposure to Faculty and PhD Scholars

Collaboration with International Infectious Disease and Global Health Training Program  
Webinars by renowned speakers conducted every month for research scholars and IIDGHTP members.

Eight Faculties from RUAS are part of the program and go through

- Monthly seminars, Annual courses, Support and guidance for Research work



## Success Stories :

### Faculty Achievement and Development :

- Faculty Development program - Teaching-learning in alignment with OBE and NEP 2020
- Achanta Lakshmi pathi Oration (2021-2022) National Academy of Medical Sciences- Dr Krishnamurthy Jayanna
- Best Optometry Educator 2021- Optometry Council of India- Mr Avinash Prabhu
- Speaker at TedX-RUAS- Dr Krishnamurthy Jayanna
- Faculty training on CPR and Active Bleed Control





## Internship opportunities

- The first batch of AHS students (MRIT, DTT, AOTT) graduated to their final year of internship at Ramaiah Memorial Hospital. The interns are also provided a stipend during their postings in the hospital.
- The students of Public Health Division have been placed for their internship at various centers across the country
- The students from BT completed internship at Mazumdar Shaw Medical Foundation
- Students from FST undergo training and internship at renowned food and agricultural industries like ITC, Britannia, Quality foods Pvt Ltd.



## Graduate Attributes :

Program	Higher studies (%)	Jobs (%)	Others (Entrepreneurs) (%)
BSc BT/FT	70 - 80	20 - 10	10
MSc BT/MCB	80	10	10
MSC FT	10	80	10
BSc. AHS	40	30	00
MPH	40	60	00
MHA	20	80	00



## Student Activity :

### Student Club

Food Adobe club formed during 2021 by students of Food technology department. The club builds professional connections between students, academicians, researchers and industries which involves activities for the holistic development of students. The club issue monthly newsletters, organize events, and highlight departmental achievements and researches.

The students from the department of Biotechnology @ FLAHS have formed a society – 'DeNovo: The Biotech Society' with a goal to help student-peers, faculty and Biotech community at large through knowledge translation by organizing guest lectures, newsletters to share recent advances, etc.



### Hexis 2022 Biofest -

Hexis spanned across two days with thirteen challenging and fun events that tested the skills, knowledge, wit and wisdom of its participants coming from different colleges across Bangalore.



The Chief Guest of the inauguration ceremony was Professor Samir K Brahmachari, former director general of the Council of Scientific and Industrial research (CSIR) and former secretary of the Department of the Scientific and Industrial research (DSIR).



### World Health Day:

Was celebrated on 8<sup>th</sup> April 2022. The event gave a beautiful message to all to not just focus on our physical health but to care for the health and well-being of our environment where we live.

## Faculty of Management and Commerce (FMC)

At the Faculty of Management and Commerce, a sharp industry focus is promoted and encouraged in all aspects of learning. From a carefully designed curriculum to value added programs and events, and even well-equipped facilities, efforts are made to ensure that the changing needs and challenges of the industry are addressed and resolved. This creates students who are market-ready and quick to adapt to the world of work, giving them a competitive edge over their peers. FMC has 2 departments, Management Studies and Commerce Department, which offers four programs MBA, M. Com, BBA and B.Com (Hons.).

**Facilities :** Practice and practical application are crucial components of an education at the Ramaiah University of Applied Sciences, and this is reflected in the well-planned facilities on our campuses.

The facilities give students the opportunity to master the skills necessary to develop a deep understanding of their fields. Students learn under the close guidance and supervision of faculty members and experts. The hands-on learning received in the business lab provides them with a distinctive edge over their peers, helping them begin their careers as knowledgeable professionals.



*Business Labs*

### FMC Activities :

#### Implementation of NEP 2020

NEP structure has been adopted by all Undergraduate programs at FMC implemented from academic year 2022-23

#### Important Events

- **National Management Day on February 21st 2022**


Faculty of Management and Commerce, RUAS organized the National Management Day - 2022 with Galaxy of Speakers from Industry and Startups. The Theme of the Event was "Managing Crisis in the Pandemonium of Pandemic – Industry Perspectives".



- Expert talk by Mr. Hari Shankar on Building and Managing Information Systems
- Expert seminar on SOX Compliance as a route to Ethical Governance by Mr. Bharadwaj A
- A Seminar on Business Acumen Unravelled, Ignite and Rejuvenate your Thoughts to Scale your Business Big by Sri Ramkumar Seshu
- Webinar on Career Opportunities and Skills Required for a Career in Supply Chain Management by Mr. Puneet Jetli
- Management Development Program on Business Acumen Unraveled, Ignite and Rejuvenate your Thoughts to Scale your Business Big.



## MOU's and Collaborations

MoU Signing Year	Name of the Collaborating Agency	Outcomes
2022	ISDC Projects India Pvt. Ltd. Regional Office, Lakshmi Narayan Complex, Palace Road, Vasanth Nagar, Bengaluru, Karnataka – 560052	<ul style="list-style-type: none"> <li>· Offering ACCA Certificate for B. Com Honour Students</li> <li>· Offering CMA Certificate for BBA Students</li> </ul>
2022	IEEE Technology and Engineering Management Society –INDIA #501, 5th Floor, WTC-Brigade Gateway, #26/1, Dr. Rajkumar Road, Malleshwaram West, Bengaluru – 560 055 	<ul style="list-style-type: none"> <li>· Certification program on Technology &amp; Innovation Management for Industry delegates</li> </ul>

## Awards and Achievements

The following faculty members have received Annual Exemplary Faculty Award for their contribution in research, teaching, and administrative work on 5th September 2021

1. Dr. H. S. Srivatsa
2. Dr. Chandra Sen Mazumdar
3. Dr. Devakumar

### Department of Chemistry

#### Guest Lectures Conducted

- Dr. Narayan Balaji, Principal Scientist, Analytical Chemistry, Jubilant Biosys Ltd., Bengaluru on Analytical Back Bone of Drug Discovery on 25-09-2021
- Dr. Mahabaleshwar Hallur, Associate Director, Jubilant Biosys Ltd, Bengaluru-560022 on Green Chemistry-an Alternative and Sustainable Technology for the Environmental Friendly Synthesis on 02-10-2021

#### Staff Achievements

- Dr. T. Niranjana Prabhu, HOD, Department of Chemistry has been appointed as Member of the committee on Revamping Science Education in Karnataka by KSTA, Government of Karnataka.
- The faculty members of Department of Chemistry have published 30+ research publications in peer reviewed journals for the year 2021-22.
- Dr. T. Niranjana Prabhu was appointed as Member of PMRC, DEBEL for the evaluation of LSRB-DRDO projects.
- Dr. T. Niranjana Prabhu appointed as Member of the Board of Studies in Chemistry at Ramaiah Institute of Technology, Bengaluru from April 2022 for a period of 2 years.
- Mrs. Maya Pai M completed a certification on Journal Citation Reports (JCR) conducted by Clarivate held in July-2021

#### Research Grants

- Dr. T. Niranjana Prabhu received INR 15.05 Lakhs for his LSRB-DRDO funded project.
- Dr. Anantharamaiah PN received second year grant of INR 7.5 Lakhs for his SERB-DST funded project.
- Dr. Deepak Kumar received second year grant of INR 10 Lakhs for his SERB-DST funded project.
- Dr. Rashmi BJ received a research seed money grant of INR 1.6 Lakhs from GEF (M)



## Faculty Development Programs

- Dr. Sheetal Batakurki - Spectroscopic techniques: A tool in contemporary research, conducted by Department of Chemistry, M. S. Ramaiah College of Arts, Science Bengaluru and Commerce, Biochemistry during 10-14 January 2022.
- Dr. Sheetal Batakurki - Recent Trends in Sustainable Energy Management & Green Chemistry conducted by Global Academy of Technology, Bengaluru during 6th to 10th December 2021.
- Dr. Jyotsna Kumar - Strategies and outcomes to enhance sustainable green environment conducted by University College of Engineering -BIT Campus, Tiruchirappalli during 19/07/2021 to 23/07/2021.
- Dr. Jyotsna Kumar - First responder code blue basic course in hands only adult CPR, a Lifesaving skill training programme conducted by Defence Institute of Advanced Technology during 20/09/2021 to 24/09/2021.
- Dr. Rashmi B. J. - Plastics Products & Mold Design conducted by AICTE Training and Learning (ATAL) Academy during 20-24th July 2021
- Dr. Jineesh A.G - Redesigning pedagogy: Educating for innovation and fostering for society conducted by AICTE & ATAL AR College of pharmacy and G.H. Patel Institute of pharmacy during 21-6-2021 to 25-6-2021

## Invited Talks/Guest Lectures by Faculty

- Dr. T. Niranjana Prabhu, HOD, - Recent Trends in Polymer Science and Technology towards Energy Storage and Conversion in AICTE Sponsored Faculty Development Program conducted at Cambridge Institute of Technology, Bengaluru on 28-10-2021
- Dr. T. Niranjana Prabhu, HOD, - Invention and Innovations of Swadeshi Science, as a part of Azadi Ka Amrit Mahotsav celebration under the theme Vigyan Sarvatra Pujiyate organized by Karnataka Science and Technology Academy - GoK in association with Vigyan Prasar-GoI on 25-02-2022.
- Dr. Vishnuvardhan T.K. - Morphology and Applications of Nanocomposite Materials conducted by Sapthagiri College of Engineering during 24-29th October 2021.
- Dr. Deepak Kumar - Design of Supported Catalysts for Electrochemical Reactions using DFT: A Continuous Challenge at Poornaprajna Institute of Scientific Research (PPISR), Bengaluru, on 24 February 2022.

## Student Corner

- 23 students underwent training in various industries as a part of their internship.
- 16 M.Sc. (Chemistry) students from 2020 -22 batch have been recruited in various industries/organizations.
- 2 research scholars and 2 M Sc. Chemistry students obtained short term research grant
- Inauguration of student club RASAYANIKA 28th February 2022
- Industrial Visit to Sava Health Care, Malur on 19-10-2021
- Celebration of National Science Day – 2022 (Scientific Growth – Saga of Indian Scientists), in association with Karnataka Science and Technology Academy, GoK on 28th February 2022

## Department of Physics

### Research Publications

Thirteen Research Publications by faculty members during 2021-2022

### Patent Details:

Name of the Inventor : **Dr. Priyanka K P**

Title : **"A Process for Preparing Nano-Fibres Face Mask"**

Patent Filed No. : **E-12/2261/2021/CHE – 202141026646**

Indian Patent Granted No. **391668** dated **10-03-2022**



### FDP Attended / Invited Talks Given

- Dr. Mallikarjunaiah, K. J. attended 5 days Faculty Development Programme on Research Skills and Techniques organized by School of Applied Sciences, Reva University, Bengaluru during 24th to 28th July 2021
- Dr. Mallikarjunaiah K. J., attended and given an invited lecture in five days FDP on Advanced Materials and applications at Presidency University, Bengaluru during on 4th to 8th October 2021.
- Dr. Mallikarjunaiah K. J., attended two-week FDP (online) on Structural Analysis using Rietveld Refinement, Microscopic and Compositional Analysis organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi and other institutions under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education, Govt. of India during on 29th September to 13th October 2021.
- Dr Priyanka K P delivered an invited talk on "Nanomaterials: The Science of Small with Big Consequences" organized by the Department of Physics, St. Stephen's College, Uzhavoor, Kottayam, Kerala on 08-10-2021
- Dr. Shivanand Madolappa delivered invited talk in the two-day national conference on "Recent Advances in Nanotechnology (RAN-2K22)" Of has during 9th & 10th March 2022 organized by Sharnabasava University Kalburgi, Karnataka State.

### Sponsored Project Funding Details :

- **Title of the Project :** Organic and Inorganic Hybrid Material for Anti-Counterfeiting Applications  
**PI:** Dr. Prem Kumar H B  
**Sanctioned Amount:** 32.076 lakhs  
**Funding Agency:** DST-SERB (CRG)
- **Title of the Project :** Development of Tellurium free low cost metal chalcogenides for thermoelectric applications  
**PI:** Dr. Manjunatha S O  
**Sanctioned Amount:** 18.3 lakhs  
**Funding Agency:** DST-SERB-TARE

### Awards to Faculties :

Annual Exemplary Faculty - Awarded on the occasion of Teachers Day celebration, 6th September 2021 and 5th September 2022

1.) Dr. Prem Kumar H B      2.) Dr. Manjunatha S O      3.) Dr. Prabhu Tej J

Appreciation Letter from Chancellor for the Top Rank in AD-Scientific Index-2021 and 2022

1.) Dr. Prem Kumar H B      2.) Dr. Priyanka K P

### Students Achievements

1. Jaya Kiran – MSc 2015 Batch – Scholarship Award for Ph. D., Hankuk University of Foreign Studies, South Korea
2. Kabir Saha - BSc (H) 2018 Batch - AIR 3013 in JAM
3. Raghotham Kulkarni - BSc (H) 2019 Batch - AIR 77 in JAM
4. Darshan C – MSc 2020 Batch- KSTA Sponsored Project-2021

### Department of Mathematics and Statistics

1. Celebration of National Science Day – 2022 (Scientific Growth – Saga of Indian Scientists), in association with Karnataka Science and Technology Academy, GoK on 28th February 2022
2. Inauguration of National Science Day – 2022 and key note address by Prof. S. M. Shivaprasad, Director, KSHEA, Dharwad, Govt. of Karnataka. 28th February 2022 Title of the Talk: Curiosity and Scientific Thinking
3. Implemented NEP for the academic year 2021-22 for B. Sc. (hons) programme in Mathematics and Statistics
4. Dr Siddabasappa is working with an industrial project “Design of non contact type flow meter” as one of the supervisor with Prof. Govind R Kadambi for ABB company
5. Dr Subramanyam T. is working as a Co-PI along with Dr Krishnamurthy Jayanna in a consultancy project sponsored by Star Health Wellness
6. The faculty members of Department of Mathematics and Statistics have published 35+ research publications in peer reviewed journals for the year 2021-22.
7. Dr S. Chandankumar, Head, Department of Mathematics and Statistics has been appointed as Member of the Board of Studies in Mathematics at Vidya Vardhaka Institute of Technology, Mysore from April 2022-23 for a period of 2 years.
8. Dr S. Chandankumar, Head, Department of Mathematics and Statistics has been appointed as Member of the Board of Studies in Mathematics at NMKRV college for Women, Bengaluru from April 2022-23 for a period of 2 years.
9. Dr Siddabasappa C. has been invited as Visiting Research Scientist (VRS) by Department of Mathematics and Statistics, College of Science and Engineering, Texas A&M University – Corpus Christi, Corpus Christi, Texas, USA , Sponsoring Agency: Texas A&M University – Corpus Christi from January 2022 – April 2022
10. Dr M. Shekar has been awarded Annual Exemplary Teacher Award for the academic year 2021-22 by RUAS
11. Conducted placement training for B. Tech. final year students

## Faculty of Pharmacy (FPH)

Faculty of Pharmacy (FPH, formerly M.S. Ramaiah College of Pharmacy) was established in 1992. Ranked **52<sup>nd</sup> in All India NIRF-2021**, FPH imparts quality pharmaceutical education with student centric learning pedagogy to meet the increasing demands for skilled health professionals meeting global standards. The Faculty offers a 4-year UG program leading to the Bachelor of Pharmacy degree (B.Pharm), 2 year PG program in 5 specializations leading to Master of Pharmacy degree (M.Pharm), 6 year Doctor of Pharmacy program (Pharm D) and also full time and part time doctoral research program (Ph.D).

### Research Centres :

Faculty of Pharmacy has two research centres - Drug Design and Development Centre (DDDC) and the Pharmacological Modeling and Screening Centre (PMSC). Both centres adopt a unique, multidisciplinary approach to the development of novel pharmaceutical dosage systems, emphasizing drug discovery and drug repurposing through biological action mechanisms and simulation models.

### Consultancy Projects :

Faculty of Pharmacy works closely with leading pharmaceutical companies and healthcare sector. This ensures that industry-problems are resolved using a comprehensive approach that spans academic, research, and industry perspectives. Such collaborations also encourage sharing of knowledge and resources with channeling of efforts towards common goals.

### FPH Activities :

#### Webinars and Seminars

- “Medical Writing in Health Care” by Dr. Chirag Desai, Associate Professor, ROFEL Shri G M Bilakhia College of Pharmacy on 30th March 2022, from the Department of Pharmacology
- “Career Opportunities in Medical Writing for the Digital Era” by Mr. G. Vishwanand, Chief Executive Officer, Infocus Rx Digital Health held on 26th March 2022 highlighted the various career opportunities available to the students.
- “Tips and Tricks to Crack GPAT & NIPER” by Dr. Saravanan was conducted on 27th November 2021. The webinar was aimed to help students in the preparation for GPAT & NIPER exams.
- “Drug Discovery in the Multi-Omics Era” by Dr. Jaikanth C on 25th September-2021 overlooked the “well-thought-out and sort out-strategies” in drug discovery portfolio for small molecules in this “Omics-era.
- A Guest lecture on “Inspiring Journey of a woman entrepreneur” on 8th March 2021 was conducted to encourage entrepreneurship amongst students.

Faculty of Pharmacy, RUAS in association with Techfest, IIT Bombay presented a series of awareness programs :

- “Drishti”- an initiative to raise awareness about Eye Donation by Mr. Sandipan Arya, MK International Eye Bank on 28th November 2021,



- “Saksham - See the Ability, Not the Disability” on 24th Oct and 30th October 2021,
- “Breast Cancer Awareness” by Ms. Sumita Kohli on 09 - October - 2021.
- “Akshi - Current Scenario of Corneal Blindness in India - Myth and Facts” by Mr. Ganesh, VisionMate Foundation on 22nd Jan 2022,
- “Kasi - A Sensitization Session on Organ Donation” by Dr. Hemal Kanvinde, Quality Assurance Officer, Mohan Foundation on 9th Jan 2022,
- “Fever : To treat or not to treat” by Dr. MK Unnikrishnan, Professor, NGSMIPS, NITTE University, Mangalore on 11th December 2021
- "Embarking Professional Competence through Graphology" by Mrs. Rashmi Raj, Graphotherapist and Counsellor, Parivartana Academy, Bengaluru on 21st October 2021
- IT Prospects and Openings in Pharma Arena -It's happening" by Divya Shree H.S M.Tech (Digital Communication) Data Analyst Legato Health Technologies Bangalore on 23rd October 2021

**National Pharmacy Week Celebrations - 2021** was conducted with great vigor to motivate the future pharmacists and remind their responsibilities towards the society. Various activities were conducted, which included elocution, quiz, seminars etc. Many events saw active participation of students from various colleges across India. The winners of the event received honors and awards.

**World Pharmacist Day was conducted on 25th September 2021.** The theme for this year was “Pharmacy: Always trusted for your health.” A National level Elocution & Collage Competition, Topic OTC Drugs – Boon or Bane was conducted which saw a huge participation from colleges across India.

Faculty of Pharmacy organized a National Level Essay & Painting Competition on Theme: Better Knowledge for Better Care on 02.10.2021 in connection with **National Anti-Drug Addiction Day - 2021.**

A Two Day Virtual workshop entitled “Two Day International Hands-on e-Workshop on AI-ML in Drug Discovery” on 22nd & 23rd January, 2021 was conducted by the faculty which saw a over whelming response.

### Publications and Patents

The faculty observed a steady increase in the publication numbers and patents filed and granted. Over a period of eight years 36 patents were filed at the Indian Patent Office of which 9 patents were granted till the end of March 2022. In the last one year we published more than 85 research publications in peer reviewed journals. Nine faculty members from FPH had their names listed in the AD scientific index ranking list for 2021.

### Research Funding :

The team received a funding of Rs 20 lakh from Govt of Karnataka towards Arecanut project.

### Faculty Achievement and Development :

Faculty members from various departments were invited as Resource persons during seminars and conferences.

Dr. Bharath S and Dr. R. Deveswaran visited various pharmacy colleges across India as PCI inspectors.

Dr. Manikanta Murahari has been invited to be Adjudicator for e-poster/e-oral presentations in an international e-Conference on Recent trends in Pharmaceutical Research held on 28th and 29th October 2021 at Nirmala College of Pharmacy, Mangalagiri, Andhra Pradesh, India

- As a resource person for One Day National Virtual Seminar on- “Computer-Aided Drug Designing- A milestone in Drug Discovery” organized by Department of Pharmaceutical Chemistry, College of Pharmaceutical Sciences, Dayananda Sagar University on 9th April 2021
- As a Jury member for Final Round of 15th Inter- Collegiate/Institute/Department Avishkar Research Convention: 2020-21 organized by Department of Students Development, University of Mumbai for Medicine and Pharmacy category and UG level on 24th June 2021.

Dr. Parasuraman. P invited as speaker for the following

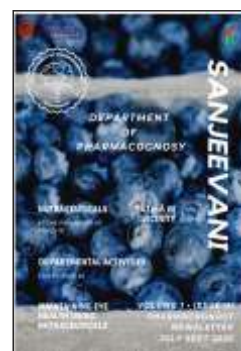
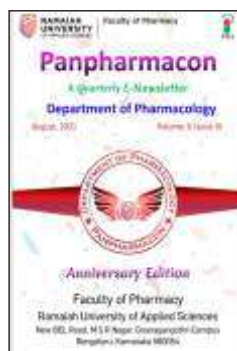
- National Webinar on “Computer Aided Drug Designing – A milestone in drug Discovery”, Organized by Department of Pharmaceutical Chemistry, College of Pharmaceutical Sciences, Dayananda Sagar University, Karnataka, India on 9th April, 2021,
- National Webinar on “Applications of Molecular modelling in Drug Discovery”. Organized by MNR College of Pharmacy, Hyderabad, Telangana, India on 29th April, 2021,
- Virtual Workshop program “Drug Discovery, Molecular docking, ADMET and QSAR studies’ Organized by Department of Pharmacology, Karpagam College of Pharmacy, Coimbatore, Tamil Nadu, India on 19th July 2021.

Dr. Judy Jays was invited as a resource person for online National Webinar on “Drug Discovery- Need of the hour” on 18th May 2021.

### Student Activities :

Faculty of Pharmacy has four e-quarterly newsletters highlighting the achievements in various fields of pharmacy. The students actively contribute various interesting articles, snippets in the field of Pharma to the newsletters.

- Panpharmacon from Department of Pharmacology,
- Scintilla from the Department of Pharmaceutics,
- Vista from Pharmacy Practice
- Sanjeevani from the Department of Pharmacognosy



School of Law offers B.Sc. LL.B (Hons.) a five year integrated undergraduate program which prepare students for opportunities in the field of Science, Technology, Social Science, Management, Commerce and Law.

Law students are trained for extremely competitive fields of law. School of Law will provide practical exposure to students through practical knowledge along with theoretical knowledge. School of Law aims at providing quality legal education to the students.

School of Law has been approved by Bar Council of India (BCI) with a view to cater to the requirements of the legal profession. Students are groomed for bright professional careers by providing wide ranges of exposure on theoretical as well as practical aspects of law.

The following are the events organized by School of Law or where our students have participated.

### 1. Debate Competition 2022

It was a debate competition organized by RUAS Debate Club. From School of Law 4 teams of two members from batch 2021-26 participated in that competition. In which three teams went till 2nd round and one team till semi-finals. And all teams won certificates (3 participation certificate and 1 merit Certificate)



### 2. Antra 2022

It was a small fest organized by Faculty of Hotel Management and Catering Technology (FHMCT) in which several competition were organised. From School of Law, 4 teams of two members from batch 2021-26 participated in those competition. Three teams participated in 'mock-tail competition' and 1 team in business management competition. All teams bagged runner-up positions winning medals and prizes.





### 3. National Environment Youth Parliament (NEYP)

National Environment Youth Parliament 2022 has been initiated to catalyse the development of a new India. Establishing a dialogue between exceptional minds of different varsities. There were interpersonal engagements, exchanges and deliberations on Key National Environmental issues. From School of Law Ms. Adina Koshy, B.Sc. LLB (Hons.) (2021-26), got selected from the University level rounds to the Regional level, standing out as one of the 10 winners from the Region of South India, awaiting to represent at the Nationals in the Parliament House, Delhi. She was one of the youngest participants to participate in the National round of NEYP 2022 at Delhi. She later got acknowledged for her participation in youth parliament from Shri. V. Muralidharan, for being a national finalist for the NEYP 2022.



### 4. National Law School of India University (NLSIU) Workshop

It was a workshop on Consumer Protection Act, 2019 which held in NLSIU Bangalore. 5 students from School of Law participated. Prof. Ashok R Patil, Dr. Pratima Narayan were invited as guest and it was interactive session with the guests and students.



## 5. Perception 2022

It was a fest organized by Ramaiah Institute of Management in which several competition were held. From School of Law 2 teams of three members from batch 2021-26 participated in treasure hunt. In which 1 team secured 2nd position and won the cash prize and a trophy.



## 6. Constitution Day

On the occasion of Constitution day on 26th November 2021, School of Law, Ramaiah University of Applied Sciences organized an interactive session with School of Law students and Public policy students in which all the students put forward their views regarding the Constitution of India and its application. The event was concluded with a speech by Dr. Prashant Desai, Dean, School of Law.





The School of Social Sciences envisages offering application-oriented programmes with innovative curriculum and pedagogy. The courses offered in the School provide learner-centric education which is driven by smart research, smart education, and well-designed extension activities. The school of social sciences aspires to provide a robust interdisciplinary approach towards creative and competence-based learning through its innovative programs.

### Programs run by the School of Social Sciences

- B.Sc (Hons.) in Data Science and Analytics (First Batch inducted in 2021 Sept.)
- B.Sc (Hons.) in Economics (First Batch inducted in 2021 Sept.)
- B.Sc (Hons.) in Psychology (First Batch inducted in 2021 Sept.)
- B.A in Sociology (First Batch inducted in 2021 Sept.)
- Master's in public policy (Second Batch inducted in 2021 Sept.)

### Activities:

- Implementation of NEP 2020: NEP structure has been adopted by all Undergraduate programs at the School of Social Sciences from the academic year 2021-22.
- Dr. Tapasi Ghosh attended an FDP titled " Faculty Development Program: Advanced Research Methods with R" organized by the Department of Data Sciences and Analytics and DoMS, IIT Roorkee from 14-28th August 2021.
- Dr. Sylvia Raha, delivered a talk on "Gandhi's Role in Uplifting Village' for the Event theme - "Sarvodaya, Wellbeing of All", organized by The Literary Club of RUAS, hosted by DTSLD on 2nd Oct 2021.
- Dr. Sylvia Raha presented a paper at the "Symbolism of Emotions in Jewellery Consumption and Social Relations" 46th All Indian Sociological Conference, 2021" held on 8th - 11, Dec, 2021.

### Invited talks, seminars and workshops

1. A quiz competition was conducted to commemorate Engineers Day on September 15, 2021 at Peenya and Gnanagangothri Campus. The theme of the quiz was "World Engineering Marvels and Dr Visvesvaraya". It was an Intercollegiate and an Intracollegiate event. The competition had 3 different rounds, namely: 1. General Round 2. Rapid Fire Round 3. Audio-Visual Round.



2. Tumkur University, Tumakuru Department of Studies and Research in Political Science in collaboration with the School of Social Sciences, Ramaiah University of Applied Sciences, Bengaluru Department of Political Science, and St Aloysius [Autonomous] College, Mangalore, organized an Online Two-Days National Workshop in Commemoration of 71st Constitution Day 2021 On the Theme “Constitution of India: Transcription, Transformation, and Legitimacy”

This workshop was an event, organized to provide an international platform for Undergraduate Students, Post Graduate Students & Research Scholars, from any discipline to share their research findings regarding the Constitution of India. Selected panellists were invited to present their papers. All participants panellists were provided with e-certificates.



3. A special Lecture was organized by the School of Social Sciences, titled “Pandemic, Global Growth, and Global Equity Markets: Is there a disconnect?” delivered by Dr. Partha Ray on 4th December 2021 in SSS, RUAS



4. A student webinar was organized titled “Building effective, accountable, transparent, and inclusive institutions to achieve Sustainable Development Goals in India: Drivers and Barriers” on 23rd October 2021, on the eve of United Nations organization celebrating its seventy-sixth year of establishment on October 24, 2021. The Webinar aimed to build discourse, debate and deliberation on the drivers and barriers for evolving strong, effective, transparent, and accountable institutions for SDGs.

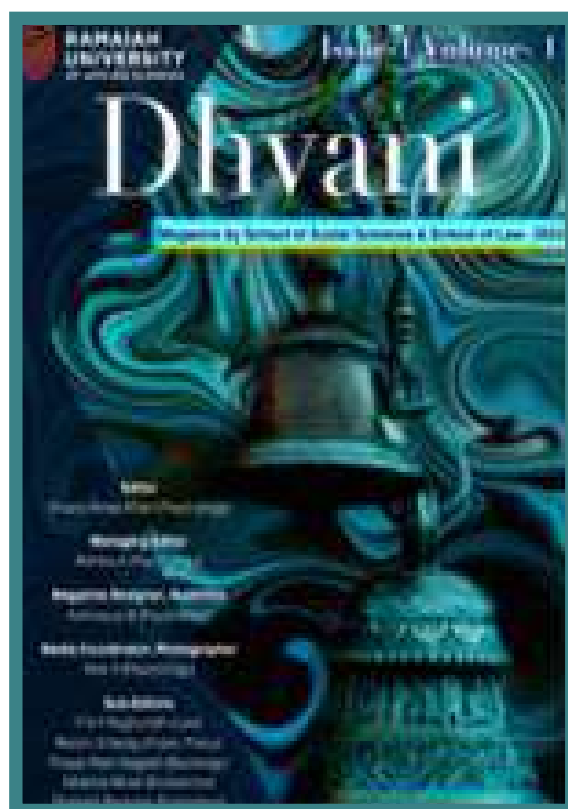
Submissions invited from undergraduate and postgraduate students from different academic disciplines/institutions to send their abstracts. Each abstract was peer-blind reviewed by a review committee. The selection was made based on a 10-point scale. The selected panellists were invited to debate and deliberate on their topics. All participants and panellists were provided with e-certificates.

## Student Activities

Student Magazine: Dhvani is a unique magazine initiated by the students at the School of Social Sciences and Law. The magazine features a wide range of student and faculty contributions in the form of expressive arts, poems, articles, case studies, games and activities from RUAS. The Magazine is an outcome of the collaborative efforts of all the student Editors, Designer and Media person in furnishing before you a kaleidoscope of student expressions.

The theme for the forthcoming issue is **"Youth and Society"**.

Dhi, a psychology club has also been launched with the intent to educate people about concepts of psychology and bring mental health advocacy to the forefront. **Directorates, Departments and Cells of the University**



## Directorates of the University

The University has established Directorates to support Academics, Research activities, Student Placement, Student Welfare, Development of Transferrable Skills and Techno Centre, International Collaborations and Public relations and Publicity of the University :

Sl. No.	Directorate	Director / Deputy Director
1	Admissions	<b>Mrs. Anjana Murthy</b> Sr. Manager
2	Student Affairs	<b>Dr. Reema Chaudhury</b> Director
3	Training and Lifelong Learning (DTLL)	<b>Dr. Vibha Shetty</b> Director(I/C)
4	Sponsored Research (DSR)	<b>Dr. K. M. Sharath Kumar</b> Director
5	Transferable Skills & Leadership Development (DTSLED)	<b>Mr. Jyothi Shankar</b> Director
6	Techno Centre	<b>Dr. Govind R. Kadambi</b> Director
7	Dental Hospital	<b>Dr. Prakashchandra</b> Director

## Cells of the University

Sl. No.	Cells of the University	Head / Chief
1	Quality Assurance Cell	<b>Mr Parameshwar S.</b> Chief - Quality Assurance Cell
2	Technology Business Incubation & Entrepreneurship Development Cell	<b>Prof Govind R. Kadambi</b> Pro Vice Chancellor - Research
3	Social Media Cell	<b>Mr. Nanda Gopan</b> Associate Head

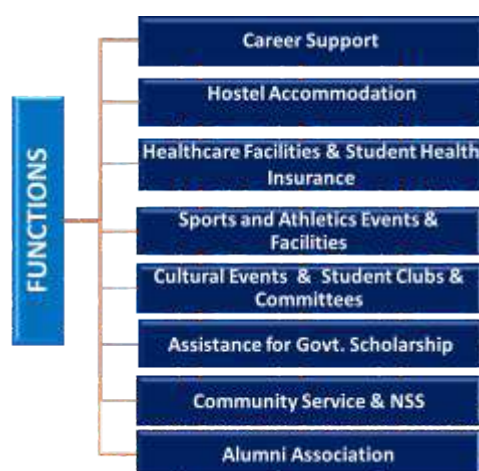
## Other Departments / Cells of University

Sl. No.	Centre of the University	Head / Chief
1	Controller of Examinations	<b>Prof. Ashok C. Meti</b> Controller of Examinations
2	Human Resource Department	<b>Mrs. Sindhu Ramu</b> HR & Staff Welfare

3	Accounts Department	<b>Mr S. Shanthamurthy</b> Manager
4	RUAS Innovation Centre	<b>Dr. Gopal Krishna</b> Head
5	University Data Centre	<b>Mr Goutham Nagaraja</b> Manager
6	ICT Department	<b>Mr T.R. Nagesh</b> Chief Manager - ICT
7	Sports - Peenya Campus	<b>Mr Kumar G.M.</b> Manager - Sports
8	Sports - Gnanagangothri Campus	<b>Mr Dayananda D.B.</b> Manager - Sports
9	Alumni Association	<b>Mr H.S. Srikishen</b> Head - Student Affairs

## Directorate of Student Affairs

A student while pursuing his/her education in the University requires various facilities and opportunities to stimulate the emotional and aesthetic wellbeing and to kindle the intellectual and cognitive development. With this noble objective, Ramaiah University of Applied Sciences created Directorate of Student Affairs (DSA) to facilitate and assist students' diverse needs by providing innovative extra-curricular experiences that augment well-being, nurture life and academic skill development, create responsibility and cultivate leadership competence.



The Directorate of Student Affairs is committed to students' well-being and accomplishments. The team is incessantly working hard to provide services and programs to develop the professional skills and to create an exciting learning community where a student can grow and succeed. The functions in which the Directorate is actively involved are listed hereunder :

### Activities conducted by DSA during Academic Year 2021 -2022

The year 2021-22 was still in the grip of COVID19 with second and third wave creating havoc and disruption in the lives of people and in this 'New Normal', there was a great danger lurking around us, had we not found constructive, and healthy ways to cope, and our bodies and minds would eventually start showing signs of stress. Hence, the Directorate came up with a series of online webinars, events, and competitions to keep the students connected and engaged with the University.



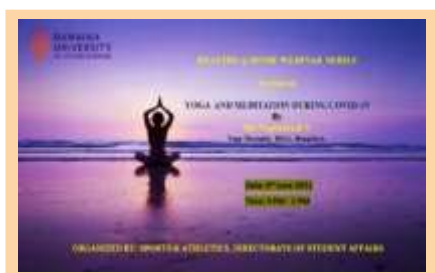
## Healthy @ Home Webinars

A Webinar series called Healthy at home for the students was conceived and executed with the objective to engage them in an interactive deliberation on the topics related to healthy living both physically and mentally during Covid19. Below are few glimpses of Healthy@home sessions



Webinar on “A Step towards Better Health & Future amid the Pandemic” on 30th May 2021 by Dr. Chandana Eswar, Strength & Conditioning Coach, Sports Authority of India, Bangalore.

How to manage stress during COVID... on 25th May 2021 by Brig. Sunil Kumar Moudgil (Retd.)



Webinar on Yoga and Meditation during Covid-19 on 6th June 2021 by Mr. Nagendra Belvadi, Yoga Therapist, Ramaiah Indic Specialty Ayurveda Restoration Hospital.

On 7th Feb 2022, an online session named Beyond Awareness: Mental Health during COVID 19 was organized. The speaker was Ms. Susmita Chakraborty, a Counseling Psychologist, Psychotherapist and REBT Practitioner. During this session, the participants were given tips by the speaker on how to feel emotionally strong and develop healthy ways of handling challenging life experiences especially during COVID19.



3-day workshop “Holistic Approach to Life through Integrative lifestyle during Pandemic”

## Sports Activities

**SPHOORTHY – 7<sup>th</sup> Annual Athletic Meet of Ramaiah University of Applied Sciences (RUAS)** was held on 22nd and 23rd March 2022 at MSR Ground. Ms. Manisha M K, 3rd DAN Black Belt, Certified Coach & Referee, KAI, Alumnus, RUAS and Mr. Manoj Kumar S RUAS – Best Male Athlete for 3 consecutive years were the Guests of Honor.

For the first time, 800 students and 70 staff members participated in various events. Events conducted were 50 mts, 100 mts, 200 mts, 400 mts, 800 mts, 1500 mts, 4 X 50 mts relay, 4 X 100 mts relay, mixed relay 4 x 100 mts and 4 X 400 mts relay in track event. Shot Put, Discus Throw, Long Jump, High Jump and Triple Jump, Sack Race, Lemon & Spoon, Hit the Wicket and Tug of War. Students and staff participated enthusiastically in all the events.



## Inferno - 2022



A three-day outdoor sports event named INFERNO was conducted on 15<sup>th</sup>, 16<sup>th</sup> and 18<sup>th</sup> March 2022 in RT Campus, Peenya.. More than 530 students participated in various sports like cricket and volleyball for men and lagori for women and carom for both men and women. A total of 46 teams participated for cricket and 20 teams for volleyball, 9 teams for lagori and 18 teams for carom. A great deal of enthusiasm was seen in the students. Prize and Trophy distribution was organized for the winners on the final day.





## Cultural Events

### Karnataka Rajyotsava in RT Campus

On 16<sup>th</sup> Nov 2021, DIMDIMA - Karnataka Rajyotsava was celebrated in Ramaiah Technology Campus, Peenya. Mr. Prakash C, President, Peenya Industries Association was invited as the Chief Guest. To show a glimpse of events planned for the day to the dignitaries, a dance performance was given by university dance troupes-Antaheen & Black Illusion. A musical tribute to Late Kannada Actor, Puneet Rajkumar was performed by the University Music Club – Euphony. It was followed by various cultural programs and fun games which continued till evening. Students and staff of the University participated with enthusiasm.



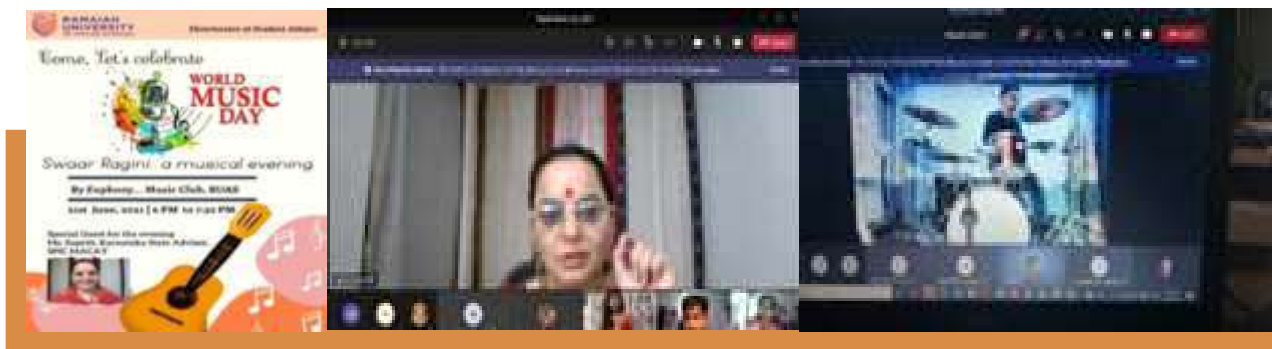
### Karnataka Rajyotsava in GG Campus

A colourful and memorable cultural fest was organized on 26<sup>th</sup> and 27<sup>th</sup> Nov 2021 by Faculty of Management & Commerce. Various activities were spread across on both the days. This was a mixed celebration of Kannada Rajyotsava and ethnic day. The theme was fully aligned with the main idea of celebrating cultures and traditions of Karnataka.



## World Music Day

On World Music Day, which is celebrated on 21<sup>st</sup> June every year, a musical evening “Swaar Ragini” was organized by students of Music Club “Euphony” of Ramaiah University of Applied Sciences. The special guest of the evening was Ms. Supriti, Karnataka State Advisor, SPIC MACAY. It was an online event.



## Karnataka Heritage Day

The enthusiastic students of Faculty of Life & Allied Health Sciences, RUAS celebrated FLAHS UTSAV - Karnataka Heritage Day on 27th October 2021, a day filled with plethora of events to increase awareness and celebrate the rich cultural diversity of Karnataka.



## First Inter-University Dramatics Fest- “La Scena” by Anubhooti...RUAS Students Dramatics Club



On ‘World Theatre Day’, the students of the Dramatics club of Ramaiah University of Applied Sciences, Anubhooti, organized a gala fest filled to the brim with colorful competitions, unique displays of art, distinguished ladies and gentlemen belonging to the theatre world of Bangalore and a jovial bunch of organizers within the premises of Gnanagangothri campus. The fest, held on the 26th of March 2022, witnessed participation from over 14 different universities that sent their very best from all over the city. More than 500 participants, along with their enthusiastic cheering squad members thronged the Dwarka Auditorium to witness the events as they unfurled.





RUAS Fine Arts Club organized Abhivyakti...Fine Arts Exhibition cum contest which had displays of various arts created by our own RUAS budding artists on 10th March, 2022 from 4.00 PM onwards in the School of Social Sciences. The exhibition was inaugurated by the Vice Chancellor of the University, Prof. Kuldeep Kumar Raina. The displays were divided into categories like Folk Art, Sketching, Canvas, Best out of Waste, Origami, T-Shirt Painting and Other Painting. Trophies and certificated were given to the top two positions in all categories.





## Inauguration of two NSS Units in RUAS



On 8th March, 2021, Mr. Khadri Narasimhaiah, Regional Director and Mr. Y. M. Uppin, Youth Officer, Ministry of Youth Affairs & Sports visited Peenya Campus for NSS units' approval inspection. The University got the approval for starting 2 Units for NSS with 100 student volunteers each for GG Campus and Peenya Campus. Mr. Damodar Nayak Faculty, FPH and Ms. Parnupa, Faculty, FET have been nominated as the NSS Program Officers for RUAS.

These NSS Units of RUAS will offer the students a platform for community service and will develop a sense of participation in the tasks of nation building.

The inaugural function for the two NSS Units, held on 28th March, 2021, was graced by benign presence of Dr. Tejaswini Ananthkumar, Managing Trustee & Chairperson, Adanya Chetana, Shri K.V. Khadri Narasimhaiah, Regional Director, Ministry of Youth Affairs & Sports, Govt. of India, Prof. Govind R Kadambi, Vice Chancellor and Prof. M. Saibaba, Registrar, RUAS. It was followed by a rally by the student volunteers and staff to create awareness towards the ill effects of plastics to the environment. The epilogue of the program was the tree plantation drive.



### NSS Activities

The NSS Units of RUAS organized a Painting and E-Poster Competitions for students. The theme for the competition were COVID care, significance of vaccination, public responsibilities in fighting against the pandemic, effect of lockdown on mental health and behaviour, extended help and support during COVID 19. The last date for registration was 22nd May 2021 and the last date for submission was 25th May 2021. A total of 108 entries was received.



## NSS Day Celebration on 24th Sept 2021

On NSS Foundation Day on 24th Sept 2021, National Service Scheme Cell - RUAS organized an awareness rally on ill-effects of plastic usage. RUAS Student Volunteers with placards in hand went for a rally around GG Campus to create awareness on the hazardous impact of plastics to our environment.



## Green Sunday- A Mega Plantation Drive

RUAS NSS Student Volunteers participated in Green Sunday- A Mega Plantation Drive organized by Adamyta Chetana on 3rd Oct 2021. Under Sasyagraha Green Lifestyle Movement, Adamyta Chetana has been planting trees every Sunday for the past 5 years and over 1.5 lakh trees have been planted around Bengaluru.





## Plog Run

The NSS team of Ramaiah University of Applied Sciences (RUAS) organised "Plog Run- A Run to Make Mathikere Litter-Free" on 28th October 2021 as a part of the Clean India Campaign. The students along with Faculty NSS Coordinators and Student Affairs Team covered more than 6 kilometres and collected more than 30 kilograms of plastic waste. This is a great initiative by Government of India to involve students at a young age from educational institutions to make them understand the importance of cleanliness in and around.



On 13th February 2022, RUAS NSS volunteers joined hands for planting 1000 saplings with Adamya Chetana Foundation in association with Public TV-one of the leading news channels of Karnataka.



## International Women's Day Celebration

On International Women's Day 2022 on 8th March, Directorate of Student Affairs organized a thought-provoking Panel Discussion on the theme- Gender Equality Today for a Sustainable Tomorrow. The Panel Discussion was organized in hybrid mode. The invited speakers Prof. (Dr.) Shalini Verma, Co-Founder & Chief Mentor, SamvaadShaalaa, Professor of Communication (Visiting) Indian Institute of Management, Rohtak, Dr. Geetalima Dutta Senior Consultant, ENT and Head & Neck Surgery, Ms. Ria Rao, AGM - Brand Manager, Globus Stores Pvt. Ltd. and Ms. Manisha M K, 3rd DAN Black Belt & Certified Karate Coach & Referee from Karate Association of India (KAI) & RUAS Alumnus. The panelists were from different sectors who shared their views on how they overcame gender biases in the professional world. The panel was attended by students & staff of RUAS.



## Matribhasha Diwas

Expression... RUAS Fine Arts Club organized a Painting and Collage Making competition on 21st February 2022, on "Matribhasha Diwas" (Mother Language Day) ... a day observed every year to promote linguistic and cultural diversity and multilingualism around the world. The Theme: selected for these two events were Folk Art Painting: A reflection of true ethos of India and Diversity and Multilingualism. The objective behind these competitions was to make students understand diverse cultures in India and various forms of literature, craft, performing arts, scripts and other forms of creative expression and encourage usage of not only the respective mother language, but other Indian languages as well. The competitions were held at Garden Area, School of Social Sciences, Heritage Building, Gnanagangothri Campus



## World Heart Day

On World Heart Day on 29th Sept 2021, Directorate of Student Affairs, Ramaiah University of Applied Sciences and Ramaiah International Centre for Public Health Innovations (RICPHI) with support from Ramaiah Medical College jointly conducted a "Training Program on Bystander Response to Cardiac Emergencies" for the students and staff of RUAS. It was conducted in Auditorium in the Faculty of Dental Sciences between 3.00 PM and 5.30 PM.

Training was given on essential elements of Basic Life Support that includes cardio-pulmonary resuscitation (CPR) by trained medical professionals. This is a vital life-saving skill in the event of emergencies like a heart attack. Around 50 plus students and staff were given hands-on training





## International Day of Yoga 2021

Ramaiah University of Applied Sciences (RUAS) celebrated International Day of Yoga on 21st June 2021. Three events were organized on the occasion. The first event was an online Yoga session by Shri Nagendra Belavadi, Yoga Therapist, Ramaiah Indic Specialty Ayurveda Restoration Hospital (RISA) for students and staff. The second event of the day was a Panel Discussion on the theme “Yoga at Home, yoga with Family” from 11.30 AM to 1.00 PM. The panelists were Dr. Gangadharan G G, Director RISA. He spoke on Yoga for Mental and Physical Wellbeing: Ayurveda Perspective. Dr. S N Omkar, Chief Research Scientist Control and Guidance, Indian Institute of Science & Yoga Expert spoke on Yoga Practices for Physical and Mental Health. Dr. Krishnamurthy Jayanna, Professor & Dean, Faculty of Life & Allied Health Sciences, RUAS talked about Yoga as a Public Health Measure for Health Promotion and Mr. Aravind G, Alumnus RUAS and State Level Yoga Competition Winner who shared his experiences on Yoga for Youth. The third event was an online Yoga competition wherein participants were asked to send a 30 second video of them performing Yoga along with photographs of 3 asanas.



## International Day of Yoga 2022

8th International Day of Yoga Program, organized by RUAS NSS Cell in association with Ramaiah Medical College and Ramaiah Indic Specialty Ayurveda Restoration Hospital was successfully conducted with more than 300 students participation. The program commenced with a Talk on Yoga for Well Being by Dr. G. Gangadharan, Director-Ramaiah Indic Specialty Ayurveda Restoration Hospital (RISA), which was followed by felicitation to Mr. Arvind G, Alumnus, RUAS & State Level Yoga Competition Winner. At the end, a Yoga Demonstration Session by Dr. S N Omkar Chief Research Scientist, Control & Guidance, IISc was held for the students from RUAS & RMC.





## Annual Student Recognition Awards Function

The first annual students' recognition awards function was held on 4th May 2022 in Gurukula Auditorium, Faculty of Dental Sciences, Ramaiah University of Applied Sciences (RUAS). The awards were given under two categories-Extra-Curricular and Co-Curricular. The nominations for extra-curricular category were identified by Directorate of Student Affairs and co-curricular by the respective faculty members. Altogether 49 students received the awards. Medals and certificates were given to all of them.



## Directorate of Training and Lifelong Learning

The Directorate of Training and Lifelong Learning is responsible for running Training, Skill Development and Lifelong Learning programmes. The Directorate offers these programmes to aspiring candidates and practicing professionals from industry, businesses and academia. The Directorate facilitates the delivery of Training and Lifelong Learning courses through the Faculties of the University and or using its own staff and subject experts/consultants.

Programmes Offered by the Directorate

1. Bachelor of Vocational Degree (B. Voc.)
2. Postgraduate Certificate in Professional Practice (PGCPP)
3. Post Graduate Diploma (PG Diploma)
4. Advanced Certificate Programme (ACP)
5. Modular Training Programme (MTP)
6. Corporate Training Programme (CTP)
7. Proficiency Courses
8. Seminars
9. Workshops
10. Advanced Skill Training Programme (ASTP)
11. User Oriented Postgraduate Courses (UOPC)



Overall Summary of Programmes conducted, and People trained by Directorate of Training and Lifelong learning in the year 2021-2022

Sl. No.	Programmes Conducted in 2021-22	Members Trained
1	Bachelor of Vocation (B.Voc.)	301
2	Corporate Training	289
3	Post graduate Diploma in Railway Signalling and Telecommunication	22
4	Post Graduate certificate courses in Professional Practice in Dental Aesthetics and Implantology	3

301 students have taken admission to B.Voc. Degree programme (Full time & Part time) for the academic year 2021 - 2022.

The course wise admission to B.Voc. Programme for the year 2021-22 is as follows :

Sl. No.	Course	Diploma	Advance Diploma	B.Voc Degree	Total No. of Students
1	Product Design & Modelling (FT)	2	40	34	76
2	Product Design & Modelling (PT)	-	42	43	85
3	Mechatronics (FT)	-	-	8	08
4	Mechatronics (PT)	-	38	17	55
5	Culinary Operation	21	09	16	46
6	Post-Harvest Technology	12	08	11	31
	Post-Harvest Technology	35	137	129	301

- We are conducted Post Graduate Diploma in Railway Signaling and Telecommunications with Ilex Academy and has seen 22 admissions in the year 2021-2022
- Proposal on joint B.Voc degree with Bosch Limited is under discussion and finalized. The course curriculum for whole programme is ready.



In a constantly changing environment, it is essential to develop life skills to meet the challenges that one come across at workplace, home and while interacting with friends and general public on day to day basis. It is not sufficient that one is good at his/her technical domain but must be equally good at life skills for leading a successful career as well as life. Taking cognizance of this fact, M.S. Ramaiah University of Applied Sciences has created a separate Directorate to develop life skills in students as well as members of staff.

Enhancement of the transactional, transformational and transcendental leadership skills in the university stake holders to align with the University's Mission to serve the technical, scientific and economic needs of our society. DTSLD undertakes the following activities:




- **Holistic Development of Students through Curriculum**
  - Communication Skills
  - Leadership Skills
  - Personality Development
  - Social Sciences and Ethics
- **Extra-Curricular Activities....**
  - Debate
  - Literary Club
  - Pre-Placement Training
- **Professional Development of Individuals through**
  - Training, workshops, mentoring and coaching sessions on :
    - ♦ Secretarial Practice
    - ♦ Professionalism at Work
    - ♦ Project Management
  - Initiatives
    - ♦ Shift in class-room teaching style, from being a teacher-centric to participant-centric style
    - ♦ Workshops for enhanced effectiveness of internal stake-holders
    - ♦ Mentoring and Coaching students for prestigious competitions (Conventional Debate, British Parliamentary Debate, Model United Nations [MUN], Theater)
    - ♦ Innovations in Classroom Delivery
  - Priority is for experiential learning
  - Imparting knowledge / skill is through activities
  - A repertoire of activities is created for each intended learning outcome
  - Activities consist of games, exercises, case studies, role plays, group work, group task, debates, quizzes and video clips
  - A brief theory session to summarize and reinforce the experiential outcome



- Innovations in Directorate Functioning
  - ♦ Agile Approach
  - ♦ Agility in development and delivery
  - ♦ Welcome changing requirements
  - ♦ Work closely with the customer
  - ♦ Customer delight
  - ♦ Continuous focus on quality and excellence
  - ♦ Self-directed and self-organized team
  - ♦ Initiating activities around motivated individuals
  - ♦ Rapid learning and continuous improvement
  - ♦ Reflection at regular intervals





### DTSLD Activities

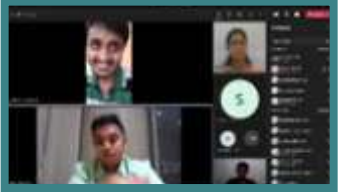



<p>Open Mic conducted by the RUAS Debate Club.</p> <p>Date : 13/3/2021</p>	<ul style="list-style-type: none"> <li>• The entire World had come to a standstill due the COVID-19 pandemic in the year 2020.</li> <li>• Nevertheless, the RUAS Debate Club launched its first Open Mic on 13/03/2021 for all those had taken admission in the 2021 cycle.</li> <li>• Being freshers, all participants of the Open Mic were given a detailed briefing about what the Debate Club is and what it aims to achieve.</li> </ul>	 <p>A participant during Open Mic</p>  <p>Ms. Farhat Begum from DTSLD, orienting the participants</p>
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<p>Event: Webinar on Money Management</p> <p>Date : 25/8/2021</p> <p>Mode : Online</p> <p>Time : 3 PM to 5 PM</p>	<p>RUAS Debate Club organized its very first webinar on the topic "Money Management" for all students of the University on 28th August 2021. The webinar was organized with an intention to spread awareness on the importance of managing personal finances in every student's life. 30 participants (approximately) were present in ONLINE mode.</p>	
<p>HINDI DIWAS</p> <p>14/10/2021</p> <p>Online</p>	<p>Hindi got an exalted status in India on September 14, 1949, when it was adopted as the official language of the country.</p> <ul style="list-style-type: none"> <li>• Since, then September 14 is celebrated as Hindi Diwas to pay tribute to the official language of India. In today's highly commercialized environment, where people are forgetting their roots, Hindi Diwas plays a significant role.</li> <li>• The celebration of Hindi Diwas stands as a patriotic reminder to Indian population of their common roots and unity</li> <li>• Objectives:</li> <li>• Comprehend the importance of language</li> <li>• Appreciate the beauty of language</li> </ul>	 <p>Mr. Jyothi Shankar- Director, DTSLD</p>  <p>Mrs. Kusumlata - Hindi Lecture-Shabharam College</p>
<p>SARVODAYA EVENT</p> <p>2/10/2021</p> <p>Online</p>	<p>"Gandhian Philosophy on Sarvodaya, Well Being of All"</p> <ul style="list-style-type: none"> <li>• Sarvodaya aims for universal well being and there is no barrier between two individual</li> <li>• Everyone should be respected and given their due share. Truth, nonviolence, self-sacrifice and spiritual tolerance are the main pillars of Sarvodaya.</li> <li>• Sarvodaya adopts Satyagraha as a weapon of social change. Freedom, justice, equality and fraternity are part and parcel of Sarvodaya.</li> </ul>	 <p>Prof. Govind R Kadambi- Pro Vice-Chancellor, RUAS</p> <p>Ms.Khushboo Choudhary - FPH</p>

<p>Orientation by the RUAS Debate Club</p> <p>Date : 18/9/2021 Venue : Gurukul Time : 10 AM to 12 PM</p>	<ul style="list-style-type: none"> <li>The session was held in a hybrid mode, where students had the option of attending the session online as well as offline. This provision was made keeping in mind that many students had still not returned back to campus.</li> <li>The participants were briefed in detail about the activities of the Debate Club and encouraged to participate in the events being planned for them.</li> </ul>	 <p>Debate Club Students discussing with the aspirants</p>
<p>Event: RUAS Debate Club organized the event Open Mic – 2021</p> <p>Date: 25/9/2021 Venue : Gurukul Time : 10:30 AM to 12:00 PM</p>	<ul style="list-style-type: none"> <li>It was intended to be a means through which the Debate Club can be introduced to the 2021 batch of students, and also to showcase the events conducted by the Debate Club.</li> <li>The event had a total turnout of 30 participants from FLAHS, FDS, FMPS, MHA, FMC making it yet another successful offline event organized by the Club. About 20 people spoke as well.</li> <li>Verbal feedback from the participants was taken and “gain in confidence” was the most used phrase by most.</li> </ul>	 <p>Debate Club Students orienting the aspirants</p>
<p>Event: Online Open Mic by the RUAS Debate Club</p> <p>Date: 2/10/2021</p>	<ul style="list-style-type: none"> <li>On the auspicious day of Gandhi Jayanti, the RUAS Debate Club conducted a fully online Open Mic open to all students of the University wherein they could present their prepared speech on any topic without any constraints of judgement, language barrier or topic. 25 participants (approximately) spoke on the occasion</li> </ul>	 <p>Participants in ONLINE mode</p>

<p>Event: Sentience 2021 conducted by RUAS Debate Club</p> <p>Date: 27/11/2021 Venue : Seminar Hall FHMCT</p>	<ul style="list-style-type: none"> <li>• RUAS Debate Club conducted its mega event on 27/11/2021, Sentience 2021.</li> <li>• Held at the Faculty of Hospitality Management and Catering Technology, Sentience 2021 turned out to be a huge success with a participation of over 80 students spanning across all the faculties of RUAS.</li> </ul>	 <p>Event winners with Dr. Neena Joshi of FHMCT</p>
<p>STORY TELLING EVENT 11/12/2021 Time : 6 pm to 8 pm</p>	<p>“Storytelling” with their own experiences, realistic incidences, creates connection and interaction of their own subject interest, improve psychological wellbeing, to understand the culture, traditions and moral codes.</p> <p>Humans are constantly creating stories and hence we at the Literacy Club bring forward an event of Storytelling</p>	 <p>FPh student Samyukta</p>  <p>FET student - Muzammil Muzafar</p>
<p><b>REPUBLIC DAY EVENT.</b> The Untold Tales - Inspirational Short Stories of Freedom Fighters</p> <p>Date :26 Jan 2022 Mode : Online</p>	<p>The significance of unsung freedom fighters and their untold stories also play their role in getting India to become a republic nation. Their underrated influence has undoubtedly brought tangible change in the roots of our freedom struggle and with that that the essence of the constitution. Thus, as individual Indians it is our duty to strive to make our nation a better place to live.</p> <p><b>Objectives:</b> To recall the unknown heroes of India's freedom movement. The event aims to through light on some unsung heroes and their contributions towards country's independence. There were 60 participants for the event.</p>	 <p>Ms. Geeta from IQAC spoke on Swami Vivekananda's contribution</p>

<p>Event: Webinar on Interview Training</p> <p>Date : 29/01/2022 Mode : Online</p>	<ul style="list-style-type: none"> <li>• RUAS Debate Club organized a guest lecture in association with 'Meet My Coach', an Australia-based company in the form of a webinar on Saturday, January 29, 2022 at 4:00pm.</li> <li>• Mr. Anirban Sarkar, an expert in the field of recruiting and interviewing addressed the students of the University.</li> </ul>	 <p>Online participation</p>
<p><b>Happy Sunday</b></p> <p>During this precious hour do not use any of the gadgets. Instead, use the valuable time with people.</p> <p>Date : 20 Feb 2022 Online</p>	<ul style="list-style-type: none"> <li>• Spend an hour on Sunday without your phone.</li> <li>• An hour without a phone wasn't so difficult.</li> <li>• You were able to interact with people around you.</li> </ul> <p><b>Objectives :</b></p> <ul style="list-style-type: none"> <li>• To spend your time with your friends and family</li> <li>• Comprehend a life of happiness without technology</li> </ul> <p>There were 105 participants in this event.</p>	 <p>Event poster</p>
<p>Orientation conducted by the RUAS Debate Club</p> <p>Date: 17/3/2022 Venue : RTC, Peenya campus Time : 11 am to 1:00 pm</p>	<ul style="list-style-type: none"> <li>• When entire university had shifted to an offline mode of communication after COVID 19 Pandemic, the RUAS debate club felt it was the right time to its presence known on the campus, especially amongst the young and impressionable minds of the first year.</li> <li>• In orientation freshers were informed about the vision and mission of the Club and opportunities available. Total no of participants was 40.</li> </ul>	 <p>Participants in activities</p>  <p>Participants of Debate Event</p>

Effective functioning of IQAC will eventually leads to achievement of the quality parameters prescribed in the overall activities and operations of the University.

### Functions of IQAC

Achievement of academic excellence is possible only through virtue of quality enhancement measures chartered towards the optimum operational effectiveness of the institution. As highlighted in the guidelines, IQAC will have the following broad functions:

1. Develop and monitor the application of quality benchmarks / parameters for the various academic and administrative activities of the University.
2. Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
3. Arrangement for feedback responses from students, parents, industry/employer and other stakeholders on quality-related institutional processes
4. Dissemination of information on the various quality parameters of teaching and research and education etc.,
5. Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
6. Documentation of the various programmes / activities of the HEI, leading to quality improvement.
7. Acting as a nodal agency of the University for coordinating with all quality-related activities, including adoption and dissemination of good practices.
8. Development and maintenance of Institutional database through MIS for the purpose of maintaining, enhancing the institutional quality.
9. Development of Quality Culture in the University.
10. Preparation of the Annual Quality Assurance Report (AQAR) of the University based on the quality parameters / assessment criteria developed by the relevant quality assurance body (like NAAC, NBA, AB) in the prescribed format (post accreditation).
11. Bi-annual development of Quality Radars (QRs) and Ranking of Integral Units i.e. Faculty of the University based on the AQAR.
12. Interaction with AQACs in the pre and post accreditation quality assessment, sustenance and enhancement endeavors.

### IQAC Activities

- 1) Title : Awareness of Relevance of process flows, SOPs and Documentation

Date : 20th May 2022

Venue : A 206, Board Room, RTC, Peenya

Time : 10:30 am





2) Workshop on Strengthening Research Ecosystem by Elsevier Team

Date: 08 Jun 2021 (on-line mode), 3 : 00 PM, IST  
IQAC of RUAS in association with  
Elsevier conducted an Online Workshop on  
“Strengthening Research Ecosystem



3) ACCREDITATION AWARENESS PROGRAMME  
18<sup>th</sup> Sep 21, RTC



4) NBA Engineering : New Self-Assessment-Report (SAR)

## Preparation Guidelines - Awareness Programme

Delivered by: Dr. P. N. Razdan, Principal Advisor, Quality Assurance Cell and Excellence, GEF(M) on 29/09/2021. An exposure on complete overview of all criteria's of NBA was made aware to all the stakeholders and introspect the preparedness of SAR. The programme showed pathway on strategizing approach to be employed in NBA Accreditation process of Engineering



## IQAC Initiatives:

1. Internal Academic and Administrative Audit (AAA): IQAC initiated Internal AAA and completed two cycles of both Academic Audit and Administrative Audit. Compliances projected during the audit were closed.



## Human Resources

The main strength of Ramaiah University of Applied Sciences comes from its members of faculty. There are 375 highly qualified, experienced, and renowned academicians and 308 technical and administrative support staff.

### Teaching and Research Staff:

The following table summarizes the number of Teaching and Research staff

Sl. No.	Faculty	Number of Professors		Number of Associate Professors		Number of Assistant Professors		Number of Sr. Lecturers/ Lecturers/ Tutors		Total	Number of Ph.D. Holders
		Male	Female	Male	Female	Male	Female	Male	Female		
1	Engineering and Technology	9	1	11	9	59	28	8	2	127	42
2	Art and Design	0	0	0	1	9	3	3	2	18	1
3	Management and Commerce	4	0	1	0	3	10	0	1	19	8
4	Mathematical and Physical Sciences	2	0	4	0	23	3	0	3	35	32
5	Dental Sciences	10	11	10	16	1	15	5	4	72	9
6	Pharmacy	7	1	0	1	13	14	0	0	36	24
7	Hospitality Management and Catering Technology	1	1	0	3	7	9	0	0	21	1
8	Life & Allied Health Sciences	1	0	1	2	11	11	4	8	38	20
9	School of Law	0	0	1	0	0	0	0	0	1	1
10	School of Social Sciences	2	0	1	0	1	3	0	1	8	7
<b>Total</b>		<b>36</b>	<b>14</b>	<b>29</b>	<b>32</b>	<b>127</b>	<b>96</b>	<b>20</b>	<b>21</b>	<b>375</b>	<b>147</b>

## Technical and Administrative Staff

The number of Non - Teaching Staff mentioned below :

### Staff Development Programmes

The University conducts the following staff development programmes :

1. Curriculum Development
2. Course Material Development
3. Assessment and Grading
4. Writing Research Proposals for Grants
5. Governance and Management of University
6. Deputes staff for Seminars, Workshops, Conferences at both National and International level
7. Organizes Technical Training Programmes
8. Induction and Training Programmes for new staff

### Staff Welfare

The University is actively contemplating extending the following welfare schemes for its staff. While some of these have already been implemented, others are at various stages of implementation.

Sl. No.	Non - Teaching Grand Total
Grand Total	308

The Table below provides details of the various staff welfare schemes.

<b>HR and Staff Welfare Department</b>	A separate HR and Staff Welfare Department has been created. Chief Manager - HR and Staff Welfare heads the department
<b>Employment Regulations &amp; Benefits</b>	A HR manual has been created clearly explaining the contract terms and benefits and has been uploaded on the University Website
<b>Salary Fixation</b>	All teaching staff are being paid as per the UGC scales All Administrative and Technical staff are being paid as per Government of Karnataka scale
<b>Higher Education Policy</b>	Staff interested in pursuing Higher Education like Ph.D. are given 50% fee concession. Staff are encouraged to undergo specialist training programmes with agreed conditions

<b>Insurance Scheme</b>	All the Faculty Members have been covered by Medical Insurance and Accident Insurance Schemes MSR Health Benefit Scheme of MSR Hospital is also extended on individual payment basis
<b>Committees</b>	Staff Career Progression Committee Staff Disciplinary Committee Staff Grievances and Redressal Committee Staff Induction Training Committee Staff Performance Appraisal Committee Staff Recruitment and Selection Committee Staff Welfare & Inclusiveness Committee

## International Collaborations and Partnership Management

The objectives of the Directorate are:

- Develop Collaborations with International Universities
- Facilitate Semester Aboard, 3+1+1, Study Abroad, Study in India programmes for students
- Facilitate contact between University Researchers with Researchers of foreign Universities
- Facilitate Faculty Exchange and Short time visit of faculties to other Foreign Universities

### Academic and Research Collaboration

At Ramaiah University of Applied Sciences, we strongly value the exchange of information in all areas of academics, research and technological developments on an ongoing basis. The exchange programmes cover students, faculty members and research scholars alike. The University is constantly endeavoring to identify institutions both in India and abroad to cement partnerships and collaborations for meaningful relationships that will generate mutual benefit. The benefits accruing to either/both partner(s) include academic opportunities at each other's campuses, faculty exchange between institutions and research partnerships including joint research projects and exchange of Faculty and research scholars on specific research initiatives.

RUAS has entered into relationships with the following reputed institutions/organizations:

### International Collaborations

- Coventry University, UK : Student Exchange, Joint Programmes-PG/PhD
- University of Bedfordshire, UK : Student Exchange -MBA
- Institute Polytechnique des Sciences Avancées (IPSA), France: Student Exchange

- University of Illinois, Chicago : Joint Product Development-Biomedical
- Oklahoma State University, Still Waters, Oklahoma, US : Joint Research-Water Resources and Pollution
- Air force Institute of Technology, Nigeria- Training of Airforce Officers
- Ghana Technology University College, Ghana; Joint Programmes - PhD and PG, planning to start twinning programme
- University of Illinois at Urbana Champaign, at Chicago (UIUC, UIC) - Semester Abroad, 3+1+1
- Michigan Technological University (MTU)- Semester Abroad, 3+1+1
- St. Petersburg State University of Architecture and Civil Engineering, Russia - Student Exchange
- Kazan National Research Technical University named after A. N. Tupolev - KAI (KNRTU-KAI), Russia - Joint Research and Product Development in Composites; Student Exchange
- Peter the Great St. Petersburg Polytechnic University, Russia - Student Exchange
- St. Petersburg State University of Industrial Technologies and Design, Russia-Student Exchange
- Moscow State University of Civil Engineering (National Research University), Russia - Student Exchange

#### National Level Collaborations

- Centre for Study of Science, Technology and Policy (CSTEP),
- RUAS entered into a Non-Disclosure Agreement (NDA) with Foundation for Neglected Disease Research.
- ABB
- Mann + Hummel Pvt. Ltd.
- Bharath Electronics
- Bangalore Integrated Systems Solutions
- Palladion Networks Private Limited
- National Design Research Forum (NDRF)
- Consortium of Electronic Industries Karnataka (CLIK)
- Institute for Drug Delivery and Biomedical Research (IDBR)
- Karnataka State Higher Education Council
- Genotypic Technologies Private Limited
- Enliven Technologies Pvt.. Ltd.
- Micro labs



RUAS has a strong focus on Applied Research. The research programmes could originate from industry, research establishments or business organizations.

Research Programmes : Research Scholars can opt for the Doctor of Philosophy - Ph.D. either through the full time or part time route.

The aims of Research Programme are

1. To produce researchers who can advance theory and practice in Science, Engineering, Health, Humanities, Hotel Management and Business, and enhance the contribution to Society
2. To encourage creativity, analytical thinking, critical analysis, and innovative problem - solving
3. To develop within each candidate the expertise and skills necessary to be an effective educator and faculty member
4. To produce graduates with advanced capabilities in leadership and managing change

### Research Centers

The University pursues multi-disciplinary research through various Research Centres as mentioned below

1. Automotive Technologies Research Centre
2. Centre for Aeronautical and Micro Air Vehicles Research
3. Energy and Power Systems Research Centre
4. Sanitation, Waste Management and Environmental Engineering Research Centre
5. Centre for Machine Learning and Computational Intelligence
6. Centre for Control Systems and Robotics Research
7. Centre for Biomedical Systems and 3D Printing Research
8. Centre for Signal Processing and Communication System Research
9. Structural Design and Analysis Centre
10. Composite Materials and Technologies Research Centre
11. Research Centre for Contemporary Tools and Techniques in Industrial Design
12. Innovation and Entrepreneurship Development Research Centre
13. Photonics Research Centre
14. Centre for Batteries and Biofuel Research
15. Software Engineering and Big Data Modelling Research Centre
16. Nutraceutical and Nutrition Research Centre
17. Oral Cancer Research Centre
18. Biomaterials Research Centre
19. Dental and Maxillofacial Modelling and Simulation Centre
20. Drug Design and Development Centre
21. Pharmacological Modelling and Simulation Centre

## Research Themes

The University will be admitting Research Scholars for the following approved research themes :

### High Priority R&D Domains

- Artificial Intelligence, Machine Learning and Data Sciences
- Bio, Nano and Composite Materials
- Biotechnology, Food Technology and Public Health
- Business Analytics and Digital Transformation
- Business and Commercial Law
- Composite Structures
- Computational Mechanics and Sciences
- Drug Design and Discovery Technologies
- Health, Ethics and law
- Higher Education
- Public Sector Reforms
- International Politics and Diplomacy

### Thrust Areas of Research

Faculty of Engineering & Technology	Artificial Intelligence, Data Sciences, Computational Mechanics and Sciences, Composite Structures, Bio Nano and Composite Materials, Civil, Computer Science, Communication, Electrical, Electronics, Medical Image Processing, Machine Learning Techniques, Bio-signal Processing, Biomedical Instrumentation, Nano Biomaterials for Bone Tissue Engineering, Sensors and sensor networking for biomedical applications, Image and Video processing, Cognitive Neuro-science, Image Processing, Photonics, Mechanical, Manufacturing, Material Science, Automotive, Aerospace, Turbo machine, Heat Transfer, Robotics, Plastics and Composites
Faculty of Mathematical & Physical Sciences	Chemistry, Polymer Composites, Nano composites, Wastewater Treatment, Medicinal Chemistry, Environmental Chemistry, Mathematics, Machine Learning Equations, Remedial Mathematics, Differential Geometry, Physics, Nonlinear Optics, Laser Spectroscopy, Optoelectronics, Cobaltite's, Multiferroics
Faculty of Pharmacy	Pharmaceutics, Pharmacology, Pharmaceutical Quality Assurance, Pharmaceutical Technology, Pharmacognosy, Pharmaceutical Chemistry, Pharmaceutical Analysis, Pharmacy Practice, Herbal Drug Technology, Drug Design and Discovery Technologies

Faculty of Dental Sciences	Oral Medicine and Radiology, Oral and Maxillofacial Surgery, Periodontics, Conservative Dentistry and Endodontic, Orthodontics and Dentofacial Orthopedics, Oral Pathology and Microbiology, Prosthodontics, Crown and Bridge, Public Health Dentistry, Pedodontics and Preventive Dentistry
Faulty of Management & Commerce	Operations Management, Finance, Human Resource Management, Marketing, Banking and Insurance, Security Analysis, Managerial Economics, International Finance Management, Investment Banking
Faculty of Art & Design	Product Design, Fashion Design
Faculty of Hospitality Management and Catering Technology	Hospitality Operations/Management, Tourism Operations/Management
Faculty of Life and Allied Health Sciences	Public Health, Food Processing and Preservation Technologies (Bio preservation, Food Processing), Food Nutrition and Biochemistry (Metabolomics, Phytochemistry, Malnutrition), Biotechnology (Cancer Biology, Cell Biology, Molecular Biology, Glycobiology) Ayurveda/ Integrative Medicine
School of Social Sciences	Sustainable Development, Gender Studies, Higher Education, Governance and Public Policy, Disaster Management, Public Sector Reforms and Public Private Partnerships (PPP), Democracy and State, International Relations and Politics
School of Law	Business and Commercial Laws, Constitutional Law and Health Related Laws

### Research Scholars and Broad Areas of Research

The Details of research scholars and their broad areas of research is as shown in Annexure

### Sponsored Research

The University has actively worked with National and International organizations in government, public and private sectors to carryout research and generate knowledge for the benefit of the Society. Research Organizations like ISRO, DRDO, DST, DBT and Central Ministries like Power, New and Renewable Energy, Environment and Forest, Human Resources, Agriculture, IT and Electronics and Industries have provided finance and research grants for advanced research in the past. So far the University faculties has undertaken more than 120 funded research projects and have filed more than 190 patents.

## Sponsored Research Projects Undertaken

### Projects Completed :

Sl. No.	Name of Project	Sponsoring Agency	Faculty	Principal Investigator	Other Investigators	Amount Received in INR Lakhs
1	Design and Development of a Multi DOF Bionic Arm with Control Assist Mode Functionality	Life Science Research Board (LSRB)	FET	Prof. Govind R. Kadambi	Mr. Praveen L. S.	19.46
2	Performance Enhancement of a Single Stage Transonic Axial Compressor Through Reduction of Tip Leakage & Secondary Flow Losses	AR & DB - Propulsion Panel	FET	Dr. Mahesh K. Varpe	Mr. S. Subbaramu	8.08
3	R&D Centre for Hardened Steel Machining	Karnataka Council for Technology Upgradation (KCTU)	FET	Dr. R. Suresh	Dr. T.N. Srikantha Dath	44.63
4	Performance Evaluation of UHF Cognitive Radio Links for Wireless Sensor Applications in Health and Precision Agriculture	VGST	FET	Dr. Pallaviram Sure	NA	5.00
5	Indigenous Development of RAT Sensor	IAF-12 BRD	FET	Prof. Govind R. Kadambi	Dr. Varun D.	0.21
6	Indigenous Development of HPRE CW Adapto Fwd and AFT for ELTA ASPJ ATE System	IAF-12 BRD	FET	Prof. Govind R. Kadambi	Dr. Varun D.	13.00

Sl. No.	Name of Project	Sponsoring Agency	Faculty	Principal Investigator	Other Investigators	Amount Received in INR Lakhs
7	Study on Nuts about Cheese	Xinova	FHMCT	Ms. Priya Arjun	Mr. Sreekanth N. Mr. T. Raghavendra	3.75
8	Development of a Framework for Green Innovations in Manufacturing Sector	DST - NSTMIS	FMC/FET	Dr. H.S. Srivatsa	Mr. R. Arun Mr. Vijaya Kumar S. Mr. Sandeep N.	9.00
9	Development of Heat Flux Sensor for Aero Gas Turbine Engine Combustors	AR & DB -GTMAP	FET	Dr. Arulanantham	Dr. H. K.Narahari Dr. S. Srikari Dr. S.Malathi	66.075
10	R&D Centre for Automated Farm Machinery Design and Development for Small Farmers	Karnataka Council for Technology Upgradation (KCTU)	FET	Dr. N. C. Mahendra Babu	Dr. A. C. Lokesh Mr. Balappa .B. U.	40.88
11	Multi Stream Automatic Speech Recognition for Children's Speech Using Artificial Bandwidth Extension Algorithms	Vision Group on Science & Technology (VGST)	FET	Dr. Sunil Y.	-----	5.0
12	Aerodynamic Optimization of Fixed Wing at Transitional Low Reynolds Number for MAV Applications	AR & DB	FET	Dr. Sivapragasam	-----	7.7
13	Development of Tellurium-free, low-cost binary metal chalcogenides for thermoelectric applications	Teachers Associate ship for Research Excellence (TARE) - SERB	FMPS	Dr. Manjunath S. O.	-----	2.75



Sl. No.	Name of Project	Sponsoring Agency	Faculty	Principal Investigator	Other Investigators	Amount Received in INR Lakhs
14	Technology Gap Analysis of Channapatna Toy Cluster	Technology Gap Analysis of Channapatna Toy Cluster	FMC	Dr. G. Devakumar	Ms. Savitha Kulkarni	7.5
15	Design, Development and Analysis for conversion of Domestic Food Waste to hydro char using Hydrothermal Carbonization	KSCST		Mr. Abhilash N.	Dr. Ananth S. Iyengar	0.28
16	Development of Personal cooling unit for thermal comfort beneath the PPE kit for hospital staff working for COVID 19	KSCST	FET	Mr. Pavan Kumar Reddy.,	Dr. Ananth S. Iyengar	
17	Development of advanced microbial fuel cells for domestic waste management and for electricity generation	KSCST	FLAHS	Dr. Chennappa gurikar,	Dr. Nanje gowda, N. A.	
18	A novel immune boosting synbiotic formulation for the effective management of covid-19	KSCST	FLAHS	Dr. David H. E.	Dr. Chennappa Gurikar	

### Ongoing Projects:

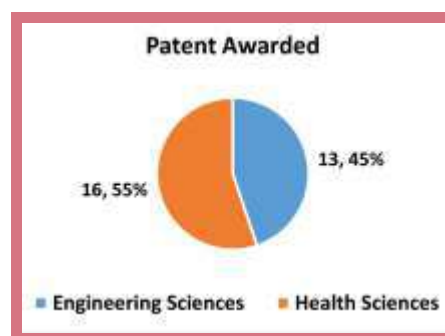
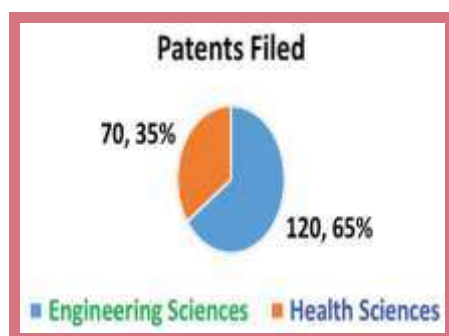
Sl. No.	Project Name	Investigating Team	Funding Agency
1	Design and Analysis of an Integrated Optic Microring Resonator Array based Sensor System for Detection of Multiple Gases	Dr.S.Malathi Mr.UgraMohanRoy	ISRO RESPOND
2	Enhancement of Aerodynamic Performance of a Low Speed Wind Turbine for Offshore Power Generation	Dr. Mahesh K. Varpe	Vision Group on Science and Technology (VGST)
3	Development of Li-Fi Enabled Indoor Data Connectivity	Dr. Punithavathi D.	Teachers Associateship for Research Excellence (TARE) - SERB
4	Assessment of Liquefaction Potential through Analytical Methods	Dr. Aniltha Kumari S. D. Mr. Abhishek P	Atomic Energy Regulatory Board
5	Development of AI Based Predictive Algorithms for Bionic Hand Action Recognitions	Prof. Govind R. Kadambi Dr. Karthikeyan Mr. Parikshith	Life Science Research Board
6	Thermal Neutron Scattering for Materials of Interest in Nuclear Reactors	Dr. Ananth S. Iyengar	Board of Research in Nuclear Sciences
7	Development of a Smart Polymer Bio-conjugated with Human Umbilical Cord Blood Serum Proteins and its Regeneration Potential on Human Dental Pulp Cells	Dr. Ashmitha K. Shetty Dr. R. Deveswaran	Indian Council of Medical Research (ICMR)
8	Characterization of Liquid Platelet Rich Fibrin as a Novel Drug Delivery System for Mineral Trioxide Aggregate and Biodentine	Dr. N. Shruthi Dr. Sylvia Mathew Dr. Pushpalatha G.	Indian Council of Medical Research (ICMR)
9	Estimation of Serum Titanium Levels in Individuals having Endosseous Titanium Dental Implants with and without Peri-Implantitis: A Clinical and Biochemical Study	Dr. Mahantesha S. Dr. Ashwini S. Dr. Kranti K. Dr. Vibha Shetty Dr. Bhavya B.	Indian Council of Medical Research (ICMR)
10	Experimental and Simulation Studies on Prediction of Crack Initiation and Propagation of Fracture in Dental Ceramic Restorations	Dr. Sivaranjini Gali Dr. S. Srikari	India Alliance Fellowship
11	Synthesis and Characterisation of A Novel Bio Active Theobromine Composite Resin as a Dental Restorative Material using Nanofiber Technology	Dr. Pushpalatha	Indian Council of Medical Research (ICMR)
12	Proteomic Characterization of Induced Blood obtained during Revascularization Procedure and Co-relation with the Regenerative Outcome: A Proof-of-concept Study	Dr. Shruthi N Dr. Swaroop Hegde	IACDE

13	Areca nut Research and Development Foundation	Prof. V. Madhavan Dr. R. Deveswaran Dr. R. Gowri Dr. K. Sundara Saravanan	Areca nut Research and Development Foundation
14	Development of a Reversible Cervix Plug as a Novel Next Generation Contraceptive Device	Dr. B.V. Basavaraj	Vision Group on Science and Technology(VGST)
15	Inorganic-Organic Hybrid Material for Anti-Counterfeiting Applications	Dr. Premkumar H. B.	Science and Engineering Research Board
16	Designing the New Potential Catalysts Using High throughput DFT and Machine Learning Techniques	Dr. Deepak Kumar	Science and Engineering Research Board
17	Design and Development of High Performance Magnetostrictive Cobalt Ferrite Thin Films for Sensors and Actuator Applications	Dr. Anantharamaiah P. N. Dr. Srihari S.	Science and Engineering Research Board
18	Development of Thermal Conductive Elastomeric Composites for Liquid Cooled Garments to Mitigate Thermal Stress	Dr. T. Niranjana Prabhu Dr. Jineesh A.G.	Life Science Research Board (LSRB)
19	Study of Ubiquitin Mediated Telomerase Regulation in Breast Cancer Stem Cells	Dr. Ekta Tripathi	DBT-Ramalingaswami Re-entry fellowship
20	To Study the effect of Mahanine, a Carbazole Alkaloid, on Metastasis in Androgen Independent Prostate Cancer	Dr. Swati Sinha	Vision Group on Science and Technology(VGST)
21	To develop Computer-Aided Diagnosis and risk stratification of Odontogenic Keratocysts from histopathological images of incisional biopsies	Dr. Divya B. S. Dr. Roopa S. Rao Dr. Kavitha Prasad	SERB Power
22	A Comparative Study of COVID-19 Vaccine Rollout Experiences in India, Chile, and the USA	Dr. Chetan B. Singai	ICMR

## Details of Patents

Published and Patents Awarded - 2021 and 2022

Faculty	Number of Patents Published	Number of Patent Awarded
FET	11	04
FAD	01	01
FPH	04	07
FDS	06	02
FHMCT	02	00
<b>Total</b>	<b>24</b>	<b>14</b>



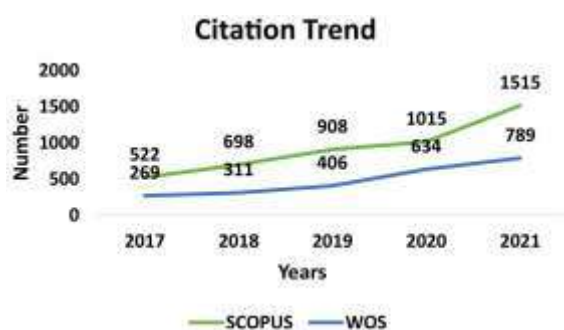
Details of patents is shown in **Annexure**

## Details of Publication

Faculty	SCOPUS	WoS	Others (PubMed, ICI, Etc.)	Total
FET	45	32	23	100
FMP5	26	22	03	51
FAD	00	00	02	02
FMC	00	00	24	24
FLAHS	08	07	04	19
FDS	14	3	60	77
FPH	46	43	06	95
FHMCT	00	00	04	04
<b>Total</b>	<b>139</b>	<b>107</b>	<b>126</b>	<b>372</b>

Total Publications: 372

## Publication Citation



Patent Filed and Awarded

Details of Research Publications is shown in **Annexure 4**

## Techno Centre

Techno Centre – Engineering (TCE) is the Consultancy, Product Design, Bio Medical design, Electronic system design and Development, division of Ramaiah University of Applied Sciences. Established in the year 2000, The TCE provides technology driven engineering solutions that meet the objectives of the clients and entrepreneurs. TCE has been consistently providing cost effective on time solutions and guidance to its vast clientele which include DRDOs, public sectors, Industry, businesses, R&D Organizations and individuals/entrepreneurs. Till date more than 700+ projects and 200 R&D work has been carried out successfully.

Executed, 120 Project for DRDO, 500 projects for public sector unit, 100 projects for SME & MSME (private Industries) and 15 Projects related to Biomedical engineering. As of now filed many joint patents for in-house developed technologies.

The TCE's manpower comprises of a strong backbone of dedicated engineers and business team, who leverage the fundamental and applied knowledge and problem-solving abilities available within the wide range of domain expert faculty and can access the teaching, training and research resources and facilities for its projects.

### 1. Achievements/Highlighting Stats

- a. Developed and transferred more than 10 technologies to DRDO's & Private Industries and applied for more than 5 joint patents with DRDO's and private industries.
- b. Worked on 10 different Indigenization project with DRDO's & Public sector units (PSU), which is a part of MAKE INDIA Program.
- c. Developed & supplied Automatic Torpedo Loading unit to Indian Navy and DRDO. This is basically an automation project which is very much useful for the case of loading of torpedoes during ship sailing in the middle of the sea as it is difficult for loading. With this automation 3-4 torpedoes sea trails could be conducted in a single day in comparison to 1 trail with earlier conventional unit.
- d. Developed a technology called Semi Active Magneto Rheological based mounts for Indian Navy (IN) Ship borne equipment application.
- e. Designed, developed, and supplied 2 numbers of high torque low rpm planetary gear boxes to DRDO for Indian Navy application. This is one of the custom made design and fabricated using Military grade SUPER DUPLEX Steel.
- f. 3D Printed 1:1 Aircraft Distortion Pressure Rake Monitoring system for one of the DRDO deals with Aero Structure & development is available with Techno centre.
- g. Subsonic wind tunnel facility available at our university was utilized by one of the Japanese OEM.

The following table gives the details of the activities carried out in the Financial Year 2020-21.



Sl. No.	Project Title	Client	Duration (Months)	Value in Rs.
<b>Mechanical &amp; PIDC Team</b> <b>Order received &amp; Executed in 2021-22</b>				
1	Finite Element Analysis of DG System for Myanmar	HMT-Kerala	2.00	277,300.00
2	Finite Element Analysis of Mast Structure	BEL -Bangalore	1.00	144,500.00
3	Transient Thermal Analysis of SBRT Electronic Unit	Avantel Technologies	2.00	153,400.00
4	Finite Element Analysis of 50Kw – LCU (Without Side Doors)	Entec Engineering	0.50	64,900.00
5	Thermal Analysis of C19090B TSM & C19091B FAVI Board	Cornet Technologies	1.50	177,000.00
6	Thermal Analysis for Time Dependent loads 5kW HF TSM Unit	BEL -Bangalore	3.00	283,200.00
7	Thermal Analysis – Cold Plate with OTRM Assembly	BEL -Bangalore	2.25	362,250.00
8	Design Development & Prototype Manufacturing Of CW HPRF FWD & AFT Adopter	IAF 12 BRD	4.75	831,900.00
9	FINITE ELEMENT ANALYSIS OF THIN FIBER OPTIC (FO) HYDROPHONE	NPOL - Kochi	8.00	255,234.00
10	Structural Analysis of ASW and Structural Analysis of ESI	BEL -Bangalore	2.25	345,450.00
11	Finite Element Analysis of ADV Tx Rack & HD VLF Rack	BEL -Bangalore	3.00	279,560.00
12	Structural Analysis of ADCA-T1/T2 (PORT/STBD) Cabinet	BEL -Bangalore	1.25	179,242.00
13	FEA OF RDDU FOR MOU CMS23	BEL _ Gaziabad	1.00	142,190.00
14	Thermal Analysis of C19090B TSM & C19091B FAVI Board (With Cold-plate Temperature on Wedge-lock Surface)	Cornet Technologies	1.00	35,400.00

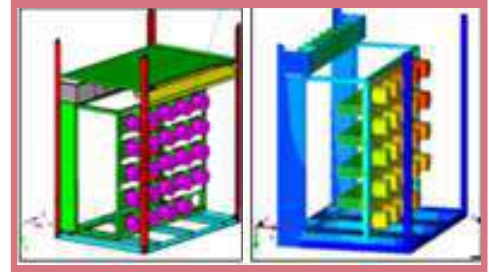
Sl. No.	Project Title	Client	Duration (Months)	Value in Rs.
<b>Projects Executed during 2021-22 Order received in 2020-21</b>				
1	Thermal & Finite Element Analysis of- Display cum Processor Cabinet (1110 016 152 53)	BEL -Bangalore	2.25	342,200.00
2	Structural Analysis of Vertical Launch Unit (VLU) - LRSAM	Dynamatic Technologies	3.00	226,730.00
3	Design Verification, Modification, Analysis and DFMA of Distortion Measurement Rake Unit( upto Quarter-4)	ADA	12	2,227,765.00
4	Finite Element Analysis of Humsa NG MK2 - Display Cabinet (Shock & Vibration)	BEL -Bangalore	1.25	180,422.00
5	Wind Tunnel Test	MinebeaMitsumi Tech Centre India (MTCI)	2.00	40,800.00
6	Design of Naval Door_ Mile Stone 1	Valdel Advance Technologies	6.00	900,000.00
7	Finite Element Analysis of 3KVA, 500W Rack Assembly T-1, M7 (PAE-M7)	BEL -Bangalore	4.75	503,004.00
8	Finite Element & Thermal Analysis of Isolation Transformer cum UPS Cabinet HUMSA UG ITU	BEL -Bangalore	2.25	314,479.00
9	Finite Element Analysis of 50Kw – LCU	ENTEC Engineering	0.75	83,840.00
<b>Electronics Team</b>				
<b>Projects Executed during 2021-22 Order received in 2020-21</b>				
1	K-12_Design Modification of Existing version of GPCB V1.1, Fabrication and Assembly	K-12	0.25	9,440

## Some Projects successfully executed by Techno Centre

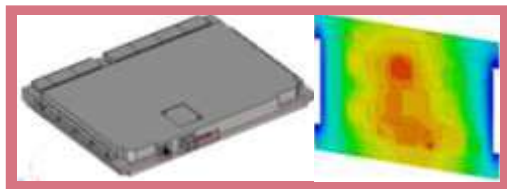
1. Structural Optimization of RDDU FOR MOU CMS23 Rack



2. TSM Unit Transient Thermal Optimization



3. Thermal Analysis of C19090B TSM & C19091B FAVI Board



4. 3D Print & Wire Routing Studies on Distortion Pressure Monitoring Unit (RAKE)



## Ramaiah Technology Business Incubator (RTBI)

RTBI under Start-up Policy which is supported by Department of IT, BT and ST. Government of Karnataka (GoK). The objective of this Centre is to achieve speedy commercialization of the Technologies developed by the host Institutions to promote and nurture novel technology/innovation based start-ups. To build a vibrant start-up ecosystem, by establishing network between MSRUAS, financial institutions, industries and other institutions.

To provide incubation services to start-ups like Infrastructure, equipment, mentoring, branding, networking, legal, financial, technical, intellectual property related services. To help the novel and selected start-ups operating in and contributing to sectors including but not limited to Internet of Things, Electronic System Design and Manufacturing, Robotics and Intelligent Systems ("Technology Start-ups").

### Facilities offered at Ramaiah Technology Business Incubator (RTBI)

- Infrastructure Facilities ( Office Space)
- Testing lab / Machines
  - ♦ Electronics Lab Facilities
  - ♦ 3D Scanned , Blue light high Accuracy
  - ♦ 3D Printer HP
  - ♦ EMI/EMC Pre-compliance Test Lab

- Mentorships
- Project Case Studies
- Platform to reach wider audience
- Funding
- Workshops, Conferences, Expert lectures on relevant technologies

#### Startups registered at Ramaiah Technology Business Incubator (RTBI)

1. iDOC Med Solutions Private Limited
2. C Intelligence Services Private Limited
3. Yantro Mitra Learning Technologies Private Limited
4. Vimana Drone Labs Private Limited
5. Bramhansh Private Limited
6. Aulukya Machine Tools India Private Limited
7. Zengages Learn & Grow Private Limited
8. Emvega Technologies Private Limited
9. Aakruthi3D Private Limited
10. Ultimate Innovative Products Private Limited
11. Sckilled Private Limited
12. DashLabs Dynamics Private Limited
13. AeroSight Technologies Private Limited
14. PVK Tech Solutions Private Limited
15. Vikasit Ecosystem Private Limited
16. Answer Cloud Private Limited
17. Clingon Marketplace Private Limited

### **Institution's Innovation Council**

#### Focus and Functions

- Create a vibrant local innovation ecosystem.
- Set up Start-up supporting Mechanism in HEIs.
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework.
- Develop better Cognitive Ability for Technology Students
- Conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations. Identify and reward innovations and share success stories.
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
- Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries

## IIC Council Members :

Sr. No.	Name of Members	Member Type	Key Role/ Position assigned in IIC
1	Dr. Kuldeep Kumar Raina	Vice Chancellor	President
2	Dr. Gopalakrishna	ASC-FET	Coordinator Start-up and Innovation activity
3	Mr. Vinay Kumar Reddy	Placement	Internship coordinator
4	<u>Dr.Sandhya</u>	FPH	IPR activity coordinator
5	<u>Dr.Srivatas H. S</u>	FMC	Social Media Coordinator
6	Mr. Parameshwar	Quality	ARIIA and NIRF coordinator
7	<u>Dr.Rinki Sharma</u>	CS-FET	Departmental Activity coordinator RTC campus
8	<u>Ms.Reshma K J</u>	FMC	Departmental Activity coordinator GG campus
9	<u>Mr.Narashima Reddy</u>	RUAS Incubation	Incubation coordinator

The student coordinators act as a medium of communication between IIC and institute students. He/ She understands the concept, idea and method of participation in IIC activities, disseminate it to all the students, volunteer for IIC programs and will support respective faculty coordinators.

### Student Coordinators

SL NO.	Name	Faculty
1	Chaitanya H Acharya	FET
2	Chidhanand	FET
3	Arjun M	FET
4	A U Nachiketh	FET
5	Muskaan	FET
6	Keerthi	FET
7	Inchara	FET
8	Rani	FET
9	Yashaswini	FET

### Scoring Mechanism

SL NO.	Name	Faculty
10	Gauri	SSS
11	Ranjini	SSS
12	Kruthika	SSS
13	Bhavana	FDS
14	Shaima	FMC
15	Naaif	FMC
16	Spoorthi	FMC
17	Neha Nena	FMC



- In each Quarter IICs can earn maximum 25 marks for performing minimum prescribed activities in each type of activity which is equivalent to One Star.
- Fifth Star is reserved for MHRDs Innovation cell and can be earned on exceptional achievements and conducting more than minimum activities in each quarter.
- REWARD Points: IIC will earn Reward Points for conducting more than prescribed minimum activities (3) in each "activity type".



### Activities:

- IP and Youth: Innovating a Better Future
- Business Acumen Unraveled, Ignite and Rejuvenate your Thoughts to Scale your Business Big
- Career Guidance Programme by IAF



### Smart India Hackathon 2022:

Smart India Hackathon is a nationwide initiative to provide students with a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving.

The five editions SIH2017, SIH2018, SIH2019, SIH2020 and SIH2022 successful in promoting innovation out-of-the-box thinking in young minds, especially engineering students from across India.



### Team members associated

Dr. S.P.Sreenivas Padala (Academic mentor) & Mr. Anshul Goyal (Industry mentor)  
Rohan K, Sachin Mattihal, Vaishnavi Nabhijna, Darshini K N, Gagan B, Siddhanth



## YUKTHI

YUKTI – National Innovation Repository (NIR) is an initiative of the Ministry of Education (MoE) Government of India and it is implemented by MoE's Innovation Cell and AICTE to build a system of repository of ideas, innovations and startups developed in academic institutions and enabling institutions to systematically foster the I&E culture by managing and nurturing these innovations by offering continuous support in terms of one-to-one mentorship, grant assistance, referral and linkage with incubation units, connecting with Angel/Venture Capital (VC) investors network, knowledge agencies, etc...



### YUKTHI - MSRUAS :

Innovation repository creation at MSRUAS to identifying, scouting ideas, innovations and start-ups from students, alumni/recent graduates, faculty members, staff, entrepreneurs incubated at the RUAS RIT campus



## Student Support Systems

### Health Care Facilities :

The University accords top priority to the health of the students. In Ramaiah Technology Campus, Peenya, a doctor visits the campus daily to look into the health problems of students. An ambulance is always kept ready to take student to a nearby hospital in times of emergency. In Gnanagangothri Campus, the Ramaiah Group Hospitals are located within the campus and students have the facility to consult doctors at any time. Dental health check-up is also extended to the students.

### Student Health Insurance & Health Care:

The students are covered under Group Health Insurance Policy wherein each student can avail hospitalization expenses up to Rs. 50,000/- per year. For this, the student must be admitted as 'In Patient' in a hospital for a minimum of 25 hours. Health insurance card is distributed to all students.

## Open House Sessions

In order to connect with the students and to understand their needs in regard to academics, teaching & learning support system and students' amenities, Open House Sessions for students were conducted around the year.





## RUAS Counselling & Well-being Cell

RUAS Counselling & Well-being Cell has been formed to address and help in resolving emotional and psychological concerns of the student community of RUAS. In this regard the first introductory session was conducted on 16th March 2022 for the students of RT Campus, Peenya in online mode by Dr. Pratishtha Bhattacharya, Asst. Prof. School of Social Sciences.



## Student Clubs

The University has created various student clubs for providing a platform to the students to unleash their hidden potentials.

- Pravaah.... Dance Club
- Anubhooti.... Dramatics Club
- Euphony.... Music Club
- Capture Through Lens.... Photography Club
- Expressions.... Fine Arts Club
- Samvedana.... CSR Club
- Saanskritik.... Cultural Events Organizing Club
- Kathasagar .... Film Appreciation Club
- Virtual Reality.... Social Media Club
- Spartans.... Martial Arts Club
- Jokesters...Comedy Club
- Literary Club
- Debate Club
- TEDxRUAS



## Scholarship assistance

The State and Central Governments provide scholarships under various schemes for students. The University disseminates information to the students and coordinates between the student and Government to enable the students to get scholarship. Students also apply for a number of private and public scholarships which the University attests.

## Service to Society

To serve and understand the community in which we live, identify the needs and problems of the community, and develop a sense of social and civic responsibility the university has created a program called Service to Society. All students and staff members are required to participate two days in community Service Programme every year.



## Alumni relations

To bring together all the Alumni (past and present) of the University, the Alumni Association was formally registered on 16<sup>th</sup> Feb 2022. The Association is governed by an Alumni Board, consisting of Alumni of the University, Officers of the University, staff members of the University which devises and executes plans for the fulfilling of the objectives of the Association.

The following are few glimpses pf Alumni engagement activities carried during 2021-2022  
On 3<sup>rd</sup> Sep, 2021, Alumni Council Meeting. Chaired by Prof. Kuldeep K Raina, Vice Chancellor, attended by PVCs, Registrar, Deans and Alumni.





Ms. Manisha M K, 3rd DAN Black Belt, Certified Coach & Referee, KAI, Alumnus, RUAS and Mr. Manoj Kumar S RUAS – Best Male Athlete for 3 consecutive years were the Guests of Honours during SPHOORTHY – 7th Annual Athletic Meet of RUAS which was held on 22nd and 23rd March, 2022



In 8<sup>th</sup> International Day of Yoga Program, 21<sup>st</sup> June, 2022, Mr. Arvind G, Alumnus, RUAS & State Level Yoga Competition Winner was felicitated for his contribution in the field of Yoga.



Ms. Kavitha Nishad R. from the first Batch of B. Pharm. was invited to interact with the students during Orientation Program.



On International Women's Day 2022, Ms. Manisha MK, 3rd DAN Black Belt & Certified Karate Coach & Referee from Karate Association of India (KAI) & RUAS ALUMNI was one of the invited speakers



## Facilities

- Teaching and Learning Resources

RUAS has created excellent resource for research, education and training. The University plans to invest in the years to come to create more laboratories in its endeavour to achieve international repute and undertake high end research.

### Learning Resources & ICT-Facilities

All Classrooms are equipped with Audio visual facilities, Networked and Wi-Fi enabled

Sl. No.	ICT Facilities	Quantity
1	Work Stations	29
2	Laptops	95
3	Laboratory Computers	1268
4	Faculty & Admin Computers	710 : All Faculty , Technical and Admin staff are provided computers/laptops
5	Library Computers	60
6	Printers/Plotters	125
7	Audio Visual Systems	129
8	Wi-Fi/Internet	755 Mbps
9	Telephones Lines	26 Land Lines – 2 PRI Lines
10	Intercom	Available
11	Website	100 GB ( <a href="http://www.msruas.ac.in">www.msruas.ac.in</a> )
12	RUAS-portal	300 GB ( <a href="http://www.ruasportal.msruas.ac.in">www.ruasportal.msruas.ac.in</a> )
13	Webmail	Microsoft Office 365 – 50 GB of mailbox space to each Staff and Student
14	CCTV	188
15	Polycam Videoconference Facility	2 sets

List of Software available in RUAS is attached as **Annexure**

Faculty	Classrooms (Seminar Halls)	Laboratories	Workshops	Studios
FET	43	45	Fitting, Carpentry, Sheet Metal, Welding, Machine Shop, CNC Shop, RPT & Foundry & Forging	NA
FAD	08	09	NA	8 studios
FMC	11	6	NA	NA
FMPS	05	03 Labs of FET are available	NA	NA
FDS	08	30	1	NA
FPH	15	28	NA	NA
FHMCT	09	14	NA	NA
Total	104	135	2	8

## Sports

The University has created sufficient outdoor and indoor sports facility for students and staff in both campuses. The indoor sports facility has Table Tennis, Carom and Chess. A common playground in Ramaiah Technology Campus, Peenya for Cricket, Volleyball, Football, Throwball, Handball and Ball Badminton is available along with Basketball court. For Gnanagangothri Campus students, a playground belonging to the Ramaiah group is available outside the campus and shared by students of Ramaiah institutes.

The gymnasium located in the indoor sports center in both the campuses is equipped with multi station gym, tread mill, cycling, dumbbells, plates and bench press.



## Hostel

The university offers hostel facility both in RT Campus, Peenya as well as in Gnanagangothri campus. The students taking admissions in Faculty of Engineering & Technology, Faculty of Art & Design and Faculty of Mathematics & Physical Sciences are required to apply for the accommodation in RT Campus, Peenya. Students belonging to Faculty of Dental Sciences, Faculty of Pharmacy, Faculty of Hospitality Management & Catering Technology, Faculty of Management & Commerce, Faculty of Life & Allied Health Sciences, School of Social Sciences, School of Law, Ramaiah Medical College, Ramaiah College of Physiotherapy and Ramaiah Institute of Nursing Education & Research can opt to stay in the Gnanagangothri Campus. Private hostel details are also provided for interested students.



## RUAS Alumni Portal

The sole purpose of the Alumni Network Portal is to make all Alumni come together periodically and discuss ideas on how to make their Alma mater relevant to the society with changing times and help the institution authorities to implement ideas to make the institution relevant for all generations.

This portal with 3831 registered members allows to

- Connect with the alumni
- Post Jobs
- Share Memories
- Browse Members by Batch, Location, Industry & Role





Annexure 1

6<sup>th</sup>  
Convocation



## 6th CONVOCATION

At this Convocation, a total of 1783 degrees are being awarded: 7 in Ph.D., 453 in Post Graduate and 1323 in Under Graduate. These degrees cover a wide range of disciplines and specializations offered by the University.

### DOCTORAL STUDENTS

Sl. No	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	DOCTOR OF PHILOSOPHY	ENGINEERING AND TECHNOLOGY	3	1
2		PHARMACY	1	
3		DENTAL SCIENCES	1	1
4		MANAGEMENT AND COMMERCE	2	1
SUB-TOTAL			7	3

### POST GRADUATE STUDENTS

Sl. No	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	M.TECH	M. TECH- AEROSPACE ENGINEERING	4	0
2		M. TECH- AIRCRAFT DESIGN	7	4
3		M.TECH - – TURBO MACHINEINERY DESIGN	1	0
		M.TECH - - CONSTRUCTION ENGINEERING AND MANAGEMENT	19	6
4		M. TECH - SANITATION ENGINEERING AND WASTE MANAGEMENT	3	0
5		M.TECH - TRANSPORTATION ENGINEERING	9	6
		M.TECH – AUTOMOTIVE ENGINEERING	2	0
6		MTECH- STRUCTURAL ENGINEERING	6	1
7		MTECH –MACHINE LEARNING AND INTELLIGENCE SYSTEMS	17	9
		MTECH - DATA SCIENCE AND ENGINEERING	6	2
8		MTECH – VLSI	2	0
9		MTECH – VLSI NANOTECHNOLOGY	8	4

## 6th CONVOCATION

		MTECH – POWER ELECTRONICS AND DRIVES	7	4
10		MTECH – ADVANCED MACHINERY DESIGN	5	2
11		MTECH – ROBOTIC ENGINEERING	5	2
12		M. TECH – CIVIL STRUCTURAL DESIGN	1	0
13	M. DES.	M.DES – PRODUCT DESIGN	10	3
14	MDS	MDS – CONSERVATIVE AND ENDODONTICS	5	4
15		MDS - PERIODONTICS	4	4
16		MDS – ORAL MEDICINE	2	2
17		MDS – PROSTHODONTICS	5	4
18		MDS – PEDODONTICS	7	6
19		MDS – ORAL SURGEY	4	2
20		MDS – ORTHODONTICS	5	4
21		MDS – PUBLIC HEALTH DENTISTRY	2	2
22	MBA	MBA – FINANCIAL MANAGEMENT	45	20
23		MBA – HUMAN RESOURCES MANAGEMENT	15	14
24		MBA – MARKETING MANAGEMENT	19	10
25		MBA – OPERATION MANAGEMENT	20	9
26		MBA – BANKING AND FINANCIAL SERVICES	4	3
27		MBA – BUSINESS ANALYTICS	12	4
28		MBA - PHARMA	8	3
29		MBA – HOSPITALITY MANAGEMENT	12	1
		MBA – HUMAN MANAGEMENT	2	0
30	M. COM	M. COM – ACCOUNTING AND TAXATION	4	4
31		M. COM – BANKING AND FINANCE	2	1
32		MASTER OF HOSPITAL ADMINISTRATION	21	14
33	LIFE AND ALLIED HEALTH SCIENCES	M.SC - BIOTECHNOLOGY	27	22
34		M.SC – MOLECULAR AND CELLULAR BIOLOGY	16	16
35		M.SC – FOOD SCIENCE AND TECHNOLOGY	30	16

## 6th CONVOCATION

36		M. SC – PHYSICS APPLIED SOLID STATE PHYSICS	7	5
37		M. SC – PHYSICS NUCLEAR PHYSICS AND TECHNOLOGY	2	0
38	M. SC	M. SC – ANALYTICAL CHEMISTRY	4	2
39		M. SC – INDUSTRIAL CHEMISTRY	1	0
40		M. SC – ORGANIC CHEMISTRY	3	3
41		M. SC – APPLIED MATHEMATICS	5	4
42	M. PHARMA	M. PHARMA	29	19
<b>SUB-TOTAL</b>			<b>453</b>	<b>252</b>

### 6<sup>TH</sup> AWARD SUMMARY

#### UNDER GRADUATE STUDENTS

SI.NO.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	B. TECH	AEROSPACE ENGINEERING	63	23
2		AUTOMATIVE ENGINEERING	24	4
3		CIVIL ENGINEERING	39	9
4		COMPUTER SCIENCE & ENGINEERING	219	57
5		ELECTRICAL AND ELECTRONICS ENGINEERING	42	15
6		ELECTRONICS & COMMUNICATION ENGINEERING	125	36
7		MECHANICAL ENGINEERING	90	4
8	B. DES	PRODUCT DESIGN	44	10
9		FASHION DESIGN	15	12
10	BHM	HOTEL MANAGEMENT	84	20
11	BDS	DENTAL SURGERY	58	52
12	B. PHARM	BACHELOR OF PHARMACY	51	27
13	PHARM. D	DOCTOR OF PHARMACY	19	11
14	B.Sc.	B.SC (HONS)	13	4

## 6th CONVOCATION

15	AHS	B.SC (HONS) BIOTECHNOLOGY	48	30
16		B.SC (HONS) FOOD PROCESSING AND TECHONOLOGY	54	25
Grand Total			1058	356

### 2ND AWARD SUMMARY

#### B. VOC STUDENTS

Sl. No.	PROGRAMME	BRANCH	TOTAL STUDENTS	NO. OF GIRL STUDENTS
1	B. DES	B.VOC – PRODUCT DESIGN & MODELLING	151	1
2	B. TECH	B.VOC – MECHATRONICS	63	5
3	BHM	B.VOC – CULINARY OPERATIONS	51	13
Grand Total			265	19

**Medallists :** - 64 students (28 Gold, 36 Silver) will receive medals/awards for their outstanding and meritorious academic, scholastic and all-round performance.

Medallists Categories :

Sl. No.	Category	Programme	No. of Students awarded
1	<b>Dr. M S Ramaiah Gold Medal</b> for Academic Excellence	UG	12
		PG	16
2	<b>Smt. Venkatamma Ramaiah Silver Medal</b> for Academic Excellence	UG	12
		PG	16
3	<b>Smt. Gowramma Ramaiah Silver Medal</b> for Best Dissertation	PG	8



## 6th CONVOCATION





## 6th CONVOCATION



# Annexure 2

## Ph.D. Scholar Details



**Faculty of Engineering and Technology**

Sl. No.	Name of the Scholar	Mode of Study	Area of Research Interest
1	Aparna N. S.	Full Time	Applied Electronics
2	Hamsaveni Mani M.	Full Time	Computer Science
3	Ayesha Khan Abdul Rawoof Maradagi	Part Time	Automotive Engineering
4	Divya N.	Part Time	Structural Engineering
5	Gokulnath Chidambaram	Part Time	Control Systems
6	H. J. Jayatheertha	Part Time	Power Systems Engineering
7	Parinita Bora	Part Time	Computer Science
8	Praveen Kumar Varanasi	Part Time	Power Electronics and Drives
9	Raja Venkata Lakshmi Narasimha Sridhar	Part Time	Ex Laser Technology
10	Savitha A.	Part Time	Computer Science
11	Sindhoora Chikkasiddegowda	Part Time	Structural Engineering
12	Vaishnavi Venkatesh Pataki	Part Time	VLSI and Nanotechnology
13	Vasanthavalli S.	Part Time	Digital Communication and Networking
14	Mr. Emmanuel Norgah Bukari	Part Time	Mechanical and Manufacturing Engineering
15	Mr. Freddy Kwami Ayatey	Part Time	Electrical Engineering
16	Mr. Fawan Issah Iddi	Part Time	Civil Engineering
17	Mr. Dominic Kofi Louis	Part Time	Computer Science and Engineering

**Faculty of Dental Sciences**

18	Anitha R. Sagarkar	Part Time	Oral Health Literacy
19	Aruna H.	Part Time	Pedodontics and Preventive Dentistry



**Faculty of Art and Design**

20	Ms. Sarah Paul Ayyampilli	Full Time	Product Design
21	Mr. Ravikeerthi N. B.	Part Time	Product Design

**Faculty of Life and Allied Health Sciences**

22	Sukeerthi Dasharathy	Full Time	Micro Biology
23	Anush Nayak	Part Time	Allied Health Sciences
24	Jeevitha Gowda R.	Part Time	Allied Health Sciences
25	Parimala Guruprasad	Part Time	Allied Health Sciences
26	Priyanka K. N.	Part Time	Allied Health Sciences
27	Reshma S.	Part Time	Bio Chemistry
28	Shruti Prabal Bandyopadhyaya	Part Time	Biotechnology
29	Sri Vidhya L.	Part Time	Allied Health Sciences
30	Srinitha Palapu	Part Time	Biotechnology

**Faculty of Management & Commerce**

31	Bhargavi T. R.	Part Time	Commerce
32	Chitrabhanu Ghosh	Part Time	Physics
33	Nagendra V.	Part Time	Marketing Management
34	Rajeev Prasad P.	Part Time	Human Resource Management
35	Mr. Kwaku Damey Asamoah	Part Time	Management Studies
36	Ms. Geraldine Naa Ogbedey Ashitey	Part Time	Management Studies
37	Mr. Kyeame Ghansah	Part Time	Management Studies
38	Ms. Selina Dussey	Part Time	Management Studies
39	Mr. Evans Nunoo	Part Time	Management Studies

**Faculty of Pharmacy**

40	Batoul Barari Tajani	Full Time	Pharmacy Practice
41	Jithu Jerin James	Full Time	Pharmaceutical Chemistry
42	Soujanya Jagadish Vastrad	Full Time	Pharmacology
43	Mr. Ashwani Kunjbihari Gaur	Part Time	Pharmaceutical Chemistry
44	Mr. Senthil Kumar Manickam	Part Time	Pharmaceutics

**Faculty of Mathematical and Physical Sciences**

45	Ms. Deeksha R.	Full Time	Chemistry
46	Bharath R. S.	Part Time	Physics
47	Deepa George	Part Time	Statistics
48	Ms. Cynthia M. Agyemang	Part Time	Mathematics

**Faculty of Hospitality Management and Catering Technology**

49	Rajesh S.	Part Time	Hotel Management and Catering Sciences
50	Thokala Raghavendra	Part Time	Hospitality
51	Ms. Abena Sekyere	Part Time	Hospital Administration
52	Ms. Sussana Antwi-Boasiako	Part Time	Hotel Management
53	Ms. Leticia Touh Yamga	Part Time	Hotel Management

**School of Law**

54	Akshay Baburao Yadav	Part Time	Law
55	Sanjay Hanamantrao Utagi	Part Time	Law
56	Sridhar Babu R	Part Time	Law



# Annexure 3

## Details of Patents



## Details of Patents

Patents Awarded				
Sl. No.	Name of the Faculty Member	Patent Number	Title of the patent	Year of Award
1	S. Bharath and Manoj B. Kulkarni	357867	Pharmaceutical Composition of Nasal Insert Comprising Cinnarizine, Mucoadhesive and Drug Retardant Polymers	2021
2	Judy Jays and K. Raju	360017	Benzimidazole Derivatives of Paracetamol as Potential Analgesic, Antipyretic and Anti-Inflammatory Agents	2021
3	Roopa S. Rao, Shankargouda Patil and Ganavi B.	355494	A Fixative Solution for Tissues	2021
4	Shruthi N., Dakshath Prasad Jembige and Shwetha V.	325296-001	A Cement Dispenser for Dental Application Dispensing the Powder and Liquid Components in Exact Ratios	2021
5	Sindhu Abraham, V. V. N. R. Sirisha, S. Shrinivasan, Mohammad Azamthulla and Chethana R.	365983	A Nano Calcium Based In-Situ Gel for Wound Healing and Burns	2021
6	Bharath, S. and Raksha, S.	374071	Interpenetrating Polymer Network for Gastro-Retentive Drug Delivery System	2021
7	Deveswaran, R., Pooja R. Karadi, Anbu, J. and Shrinivasan, S.	377903	An In-Situ Gel for Corneal Wound Healing	2021
8	Shwetha, K., Deveswaran, R., Sudarsanam Guru Goutham Sri Harsha, Enjam Chandana Priya, Mukul Khandelwal and Kalashanti R. Pyngrope	380409	A Method and Composition of a Pharmaceutical Excipient Using Calcium Carbonate	2021
9	Lohit, H. S., Sourabh, P.N., Suraj Kumar, A. and Bolisetty Soumya Durga	377803	A Non-Electric Water Purifying Filter	2021

## Details of Patents

9	Lohit, H. S., Sourabh, P.N., Suraj Kumar, A. and Bolisetty Soumya Durga	377803	A Non-Electric Water Purifying Filter	2021
10	Punithavathi Duraiswamy, Divya Kiran and Naveen R.	387343	Automatic Vehicle Load Estimation for Controlling Engine Power	2022
11	Kancheti Upenra Babu, Venna Hima Kiran Vithal and Narasimha Murthy K.R.	386201	Method and Device for Generating A QPSK Signal	2022
12	Yerragudi, V. S., Noha, B. S., Hari Krishna, S. M., Md. Ilyaz and Raghavendra V. Kulkarni	389226	Method and System for Lightweight Restful Pairing, Registry, Service Discovery Protocol for Internet of Smart-Phones	2022
13	Mahendra Babu, N. C., Manjunath M. Ullegaddi and Nagarjun, M. A.	390146	Mini Sugarcane Harvester	2022
14	Bharath Srinivasan, Sharon Caroline Furtado and Asma Tabassum	388487	Antimicrobial Lyophilized Wafers for Wound Healing	2022

## Details of Patents

Patents Published				
Sl. No.	Name of the Faculty Members	Patent Number	Title of the Patent	Year of Publish
1	Sandhya Anil Kumar and Magesh, V.	201941006264	Intelligent Dustbin	07/05/2021
2	Rath, V. S. M. N., Pratyush Duklan, Pareshi Rajveer, Tanisha Singh and Rachith Rai	201941053800	Group/Troupe Tracking System	25/06/2021
3	Viswanath, K. Reddy and Guttappa Sajjan	201941053797	Heart Disease Prediction System using Machine Learning	25/06/2021

## Details of Patents

4	Raghavendra, V. Kulkarni, Rajaayyanar, A. and Hariharan, R.	201941053791	System, Method and Device for Automatic Text Summarization	25/06/2021
5	Nithin, V., Abdul Imran Rasheed and Manjunath, B. S.	201941053795	Window Glass Panel Cleaning Robot	25/06/2021
6	Mahendra Babu, N. C., Manjunath, S., Adithya, S. 7Dath, Prasad, R. Shetty a8nd Sachin, S. John	201941053799	Disposable-Syringe Recycler	25/06/2021
7	Mahendra Babu, N. C., Manjunath, M. Ullegaddi, Abdul Rahman Faisal, Miraz Mohammad, Shreenidhi, M. S. and Syeda Anjum	201941053792	Compact Foxtail Millet Deshelling Machine	25/06/2021
8	Bhargav, Manjunath, M. Ullegaddi, Lingaraj Doddabasan Nanavar, Akhilesh Janib and Rohini, B.	201941053796	Electronic Seed Metering System	25/06/2021
9	Swathi Prasad, B. K. and Suresh, R.	201941053793	Spherical Spy Robot for Surveillance Operations	25/06/2021
10	Narahari, H. K., Sriram, A. T., Sivapragasam, M., Abdullah Ansari, Darshan, Y. N., Mahesh, M., Manoj Mannari, Sachin Chavan, Tejaswini, M., Swasthika, D. S., Srikari, S., Mahesh, K. Varpe, Abhilash, S., Rakesh Mohan, Rajanikanth and Ramesh, S.	201941053798	Ornithopter with Improved Aerodynamics and Control	25/06/2021
11	Chiranjith Barui, Vidyanand Desai and Sanjay Subramanian	201941054267	"An Adaptive Self Lacing Footwear	02/07/2021
12	Bharath, S., Anbu, J., Anup Siddesh Halvagal and Vijayanand Pujari	201941054070	Herbosomal Drug Delivery System	02/07/2021
13	Dhrubojyoti Mukherjee, Kamnoore Devanand Jagannath, Damodar Nayak and Parsuraman, P.	201941054263	Nanocomposite Functionalized Polymeric Scaffold for Skin Tissue	02/07/2021

## Details of Patents

14	Basavaraj, B. V. and Avinash Anand	201941054265	Antifungal Tranungual Nanomiengel for Onychomycosis	02/07/2021
15	Bharath, S., Anbu, J. and Mukul, K. Khandelwal	201941054262	A Peroral Delivery System Containing Bisphosphonate Drug for Treatment of Osteoporosis	02/07/2021
16	Ranganath, K. and Parimala Sagar	201941053790	"Local Anaesthesia Dispenser A Portable Delivery System without an Aide	25/06/2021
17	Lavanya, R., Kranti, K., Lohit, H. S., Saagar Bhargava and Gayathri, K	201941054069	"Blade Guard – Device to Safely Load and Unload a Surgical Scalpel	02/07/2021
18	Sujatha, S., Pavan Kumar, T. and Rakesh, N.	201941054072	Dental Digital Image Receptor Holder with Dual Aiming Rings for Imaging	02/07/2021
19	Pushpalatha, C., Srikari, S. and Deveswaran, R.	201941054071	Novel Bio Active Theobromine Composite Resin	02/07/2021
20	Ravishankar, K., Ummehani Shaien, Singh Varshashree and Singh Akriti	201941054264	Esthetic Strips for Selection Anterior Teeth in Edentulous Patients	02/07/2021
21	Vineeth Kumar, K. Nivaskumar, G. A., Praveen, N., Rashmi Ashok, Ritika Jeenoor, Sahana, L., Kavitha Prasad, Ranganath, K. and Shwetha, V.	201941054266	Electrically Driven Automated Saline Dispenser	02/07/2021
22	Priya Arjun, Sreekanth, N., Kusuma, K., Chandana, M. N., Lokesh Sai, S. and Manaswi, K	201941054270	A Novel Nutritional Composition	02/07/2021
23	Dipayan Mazumdar and Govind, R. Kadambi	202041002391	Cascaded Digitally Controlled Normal Gravity Separator	02/07/2021
24	Govind, R. Kadambi and Dipayan Mazumdar	202041002392	Laplace Transform Computation by Accelerated Means	23/07/2021



# Annexure 4

## Research Publications



## Research Publications

S NO	AUTHORS	TITLE	YEAR	SOURCE PUBLICATION	ARTICLE TYPE
1	Hegde M., Nagaveni K.	Electromagnetic frequency (Emf) shielded ensembles	2021	Asian Textile Journal	JOURNAL
2	C S Akshay., Vidyanand Sukumar Desai	Design of Vacuum Cleaner Cum High Pressure Washer	2021	International Journal of Recent Advances in Multidisciplinary Topics	JOURNAL
3	Pavithra Venkataswamy., Sowmya Samudrala Venkatesiah., Roopa Sripad Rao., Spoorthi Ravi Banavar., Shankargouda Patil., Dominic Augustine., Vanishri Chandrashekar Haragannavar	Immunohistochemical expression of Tazarotene-induced Gene 3 in oral squamous cell carcinoma	2021	Journal of Oral Pathology and Medicine	JOURNAL
4	Narayana Subramaniam., Sujan K Dhar., Manjula Das., Roopa Sripad Rao., Kavitha Prasad	Novel tyrosine metabolites in the transcriptomic profiling of smokeless tobacco related oral cancer and their potential implications	2021	Oral Oncology	JOURNAL
5	Narayana Subramaniam., Sujan K Dhar., Manjula Das., Roopa Sripad Rao., Kavitha Prasad	Novel tyrosine metabolites in the transcriptomic profiling of smokeless tobacco related oral cancer and their potential implications	2021	Oral Oncology	JOURNAL
6	Deepa Jatti Patil., Ruchika Chaudhary., Rakesh Nagaraja	Mucormycosis-A Health Care Challenge in the COVID	2021	Journal of Dental And Oro facial Research	JOURNAL
7	Kimberly Duarte., Biju Thomas., Sudhir Rama Varma., Vinayak Kamath., Bhavya Shetty., Syed Kuduruthullah., Manjusha Nambiar	Antiplatelet Efficacy of a Novel Moringa oleifera Dentifrice: A Randomized Clinical Crossover Study	2021	European Journal of Dentistry	JOURNAL
8	Sivaranjani Gali., Suresh Chiru	Machinability of Zirconia Toughened Mica Glass Ceramics for Dental Restorations	2021	Brazilian Dental Science	JOURNAL
9	Anadha N Gujar., Prashantha G Shivamurthy., Sharanya Sabrish	Effect of 125–150 Hz Vibrational Frequency Electric Toothbrush on Teeth and Supporting Structures: A Finite Element Method Study	2021	The Journal of Contemporary Dental Practice	JOURNAL
10	Dominic Augustine., Roopa Sripad Rao., Vidya Thirtha	Oral lipoma with HPV-16 associated koilocytic epithelium: Expect the unexpected	2021	Indian Journal of Pathology and Microbiology	JOURNAL
11	Babashankar Alva Mithalike., Shobhit Agarwal., Anoop Sharma., Sanobar Khan	AN ECONOMICAL TECHNIQUE TO FABRICATE TOOTH SUPPORTED FIXED ATTACHMENT BY DUPLICATING IMPLANT BALL ATTACHMENT: A CLINICAL REPORT	2021	The Journal Of Prosthetic And Implant Dentistry	JOURNAL

## Research Publications

12	L Pradeep., Ganganna Kokila., Pillai Arun Gopinathan., Shwetha Guruswamy., Salroo Humaira Nazir., Ananjan Chatterjee	Age estimation with cemental annulation using light, phase contrast and polarized microscopy	2021	Journal of Microscopy and Ultra Structure	JOURNAL
13	Anindita Talukdar., Pushpalatha Chikkahanumantharayappa., Prakash Chandra., Diganta Borah	Band and Loop Space Maintainers in Children: A Case Series	2021	Saudi Journal of Oral and Dental Research	JOURNAL
14	RICHA KHANNA., GAURI LELE., LATHA ANANDAKRISHNA., ANSHULA DESHPANDE., VIJAY PRAKASH MATHUR., M S MUTHU., LATHA NIRMAL., SONALI SAHA., PRIYA JAYAKUMAR., NIKHIL MARWAH	Development of a Competency-Based Curriculum for undergraduate education in Pediatric Dentistry: A systematic approach	2021	Medical Journal Armed Forces India	JOURNAL
15	DOMINIC AUGUSTINE., ROOPA S RAO., VIDYA THIRTHA	Oral lipoma with HPV-16 associated koilocytic epithelium: Expect the unexpected	2021	Indian Journal of Pathology and Microbiology	JOURNAL
16	SIVARANJANI GALI	Peer-assisted online teaching and painting apps in preclinical complete denture prosthodontics during the COVID-19 pandemic	2021	Journal of Dental Education	JOURNAL
17	Aninditya Kaur., Sanjay Chachra., Ravleen Nagi., Rakesh Nagaraja., Prashanti Reddy., Ramanpal Singh Makkad	COVID -19 Pandemic: A Grim Ongoing Challenge for Sickle Cell Disease Patients	2021	Journal of Research in Medical and Dental Science	JOURNAL
18	Karishma., A G Annaji., Rakesh Nagaraja., L Upasana., M S Abhinetra	Detection of mandibular canal in human dry mandibles with cone beam computed tomography using 270° and 360° protocols under continuous and pulse modes – A comparative study	2021	Journal of Indian Academy of Oral Medicine and Radiology	JOURNAL
19	Shwetha Venkataramana., Sujatha Sampangi., Rakesh Nagaraja., Pavan Kumar Tupakula., P Vaishnavi., P Sreekanth	Teleconsultation – the pandemic mantra or the new norm?	2021	Journal of Head And Neck Physicians and Surgeons	JOURNAL
20	Sujatha Sampangi., Shwetha Venkataramana., P Vaishnavi., P Sreekanth., Ravleen Nagi	Tobacco consumption patterns and coping behavior during the COVID-19 Lockdown	2021	Journal of Head And Neck Physicians and Surgeons	JOURNAL
21	Dhanya K., Chandra P., Anandakrishna L., Karuveetil V.	A comparison of NovaMin™ and casein phosphopeptide-amorphous calcium phosphate fluoride on enamel remineralization - An in vitro study using scanning electron microscope and DIAGNOdent®	2021	Contemporary Clinical Dentistry	JOURNAL

## Research Publications

22	Nadeem A.M., Nagaraj B., Jagadish D.A., Shetty D., Lakshminarayana S., Augustine D., Rao R.S.	A Histopathology-based Assessment of Biological Behavior in Oral Hyalinizing Odontogenic Tumors and Bone Lesions by Differential Stains	2021	Journal of Contemporary Dental Practice	JOURNAL
23	Pandarathodiyil A.K., Vijayan S.P., Ramanathan A., Rao R.S., Patil S.	Autophagy: The “Pac-Man” within Us—Ally or Adversary?	2021	Journal of Contemporary Dental Practice	JOURNAL
24	Sujatha P., Nara A., Avanti A., Shetty P., Anandakrishna L., Patil K.	Child Dental Patient’s Anxiety and Preference for Dentist’s Attire: A Cross-sectional Study	2021	International Journal of Clinical Pediatric Dentistry	JOURNAL
25	Nambiar S., Kumari M., Mathew S., Hegde S., Ramesh P., Shetty N.	Effect of nano hydroxyapatite with biomimetic analogues on the characteristics of partially demineralised dentin: An in-vitro study	2021	Indian Journal of Dental Research	JOURNAL
26	Rajachar P.B., Vidhya M.S., Karale R., Govindaraju V.K., Shetty N.K.	Evaluation of Free Available Chlorine of Sodium Hypochlorite When Admixed with 0.2% Chitosan: A Preliminary Study	2021	Journal of Contemporary Dental Practice	JOURNAL
27	Sahasrabudhe S., Kumar M.S., Khan I.S., Naik S., Kumar A.	Evaluation of Orthodontic Mini-implant-anchored en masse Retraction of Maxillary Anterior Teeth with Reduced Bone Support: A Prospective Finite Element Analysis Study	2021	Journal of Contemporary Dental Practice	JOURNAL
28	Biradar N., Ahluwalia S., Shetty N.K.	Evaluation of root reinforcement potential of different intraorifice barriers in gutta percha obturated root canals-an in vitro study	2021	International Journal of Dentistry and Oral Science	JOURNAL
29	Sowmya S.V., Rao R.S., Vinesh C., Rajkumar C., Nichat P., Karthick B.P., Vinothkumar T.S., Chandra G., Ghosh S., Raj A.T., Patil S.	Histopathological Changes in Oral Tissues Induced by Pesticide Poisoning: A Pilot Study	2021	Journal of Contemporary Dental Practice	JOURNAL
30	Augustine D., Rao R.S., Patil S.	Hyalinization as a histomorphological risk predictor in oral pathological lesions	2021	Journal of Oral Biology and Craniofacial Research	JOURNAL
31	Saxena A., Nagi R., Sandeep T., Patil D.J., Choudhary R., Kaur A.	Identification of candida albicans and nonalbicans candida resistant species in tobacco users and oral squamous cell carcinoma patients: Comparison of HiCrome agar and automated VITEK 2 system	2021	Journal of Oral and Maxillofacial Pathology	JOURNAL
32	Khan W., Augustine D., Rao R., Patil S., Awan K., Sowmya S., Haragannavar V., Prasad K.	Lipid metabolism in cancer: A systematic review	2021	Journal of Carcinogenesis	JOURNAL

## Research Publications

33	Khan W., Augustine D., Rao R., Patil S., Awan K., Sowmya S., Haragannavar V., Prasad K.	Lipid metabolism in cancer: A systematic review	2021	Journal of Carcinogenesis	JOURNAL
34	Lavanya A., Sowmya S., Rao R., Augustine D., Haragannavar V.	Natural stain (Kumkum) formulated by the extract of Curcuma aromatica and slaked lime in histostaining of oral tissues: An observational study	2021	Journal of Oral and Maxillofacial Pathology	JOURNAL
35	Srinivas R., Anandakrishna L.	Parental issues and concerns for their children treated under general anaesthesia for early childhood caries: A qualitative research approach	2021	Indian Journal of Dental Research	JOURNAL
36	Singh P., Augustine D., Rao R.S., Patil S., Awan K.H., Sowmya S.V., Haragannavar V.C., Prasad K.	Role of cancer stem cells in head-and-neck squamous cell carcinoma-A systematic review	2021	Journal of Carcinogenesis	JOURNAL
37	Singh P., Augustine D., Rao R.S., Patil S., Awan K.H., Sowmya S.V., Haragannavar V.C., Prasad K.	Role of cancer stem cells in head-and-neck squamous cell carcinoma-A systematic review	2021	Journal of Carcinogenesis	JOURNAL
38	Ravikiran K.R., Sabrish S., Mathew S., Prashantha G.S., Sagarkar R.	The effectiveness of amine fluoride mouthwash in preventing white spot lesions during fixed orthodontic therapy: A randomized control trial	2021	International Journal of Dentistry and Oral Science	JOURNAL
39	Ravikiran K.R., Sabrish S., Mathew S., Prashantha G.S., Sagarkar R.	The effectiveness of amine fluoride mouthwash in preventing white spot lesions during fixed orthodontic therapy: A randomized control trial	2021	International Journal of Dentistry and Oral Science	JOURNAL
40	Nagi R., Reddy S., Rakesh N., Vyas T.	Tobacco cessation is a challenge during COVID-19 pandemic: Is it a good time to quit?: A systematic review	2021	Journal of Indian Academy of Oral Medicine and Radiology	JOURNAL
41	Silpi Chatterjee., Ankur Bhargava., Daya Shankar., Asim Mustafa Khan., Safiya Fatima Khan., Sonal Saigal	Hidden reservoirs of pathogens in dental settings	2021	Bioinformation	JOURNAL
42	Nithin Thomas., Aninditya Kaur., Sujatha Sampangi., Rakesh Nagaraja., Ravleen Nagi., Vidya Gurram Shankar	Three-dimensional cone-beam computed tomographic sialography in the diagnosis and management of primary Sjögren syndrome: Report of 3 cases	2021	Imaging Science in Dentistry	JOURNAL
43	Ravleen Nagi., Rakesh Nagaraja., Giridhar S Naidu., Prashanthi Reddy., Ajay Bibra., Ramanpal Singh Makkad	Magnetic Resonance Imaging and Cone Beam CT Image Registration for Osseous and Soft Tissue Abnormalities of Temporomandibular Joint: A Systematic Review	2021	Dental Journal of Advance Studies	JOURNAL



## Research Publications

44	Shilpa P H., Shweta Meshram., Mohammed Muzammil Khan., Deepthi Nirmal Gavarraju., Ummey Salma., B Apaksha	Telepedodontics - Research & Review	2021	Annals of the Romanian Society for Cell Biology	JOURNAL
45	Jyoti Raghavendra Byakodi., Pushpanjali Krishnappa	Association between Lifestyle Factors and Oral Potentially Malignant Disorders among People of Bangalore: A Case-control Study	2021	Journal of Clinical and Diagnostic Research	JOURNAL
46	Anindita Talukdar., Prakash Chandra., Latha Anandakrishna	Working Length Determination Using Apex Locator and Cone Beam Computed Tomography in Presence of Three Irrigating Solutions in Primary Teeth: An in Vitro Comparative Study	2021	Saudi Journal of Oral and Dental Research	JOURNAL
47	Rohit Prasad., Akshatha Raj., Safiya Fatima Khan., Shilpi Agarwal., B Shalini., Chandini H S	Effect of non-surgical periodontal therapy on glycemic control of patients with chronic periodontitis and type2 diabetes mellitus: A 3 month follow up intervention study	2021	International Journal of Applied Dental Sciences	JOURNAL
48	Priyadharshini Ramakrishnan., Sujatha Sampangi., Paramila Kundu	Methylation status of p16INK4a and p14ARF gene in saliva of smokeless tobacco users: A pilot descriptive study	2021	Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology	JOURNAL
49	Ankita Jain ., G S Prasanth., Silju Mathew., Sharanya Sabrish	Analysis of stress in periodontium associated with orthodontic tooth movement: a three dimensional finite element analysis	2021	Computer Methods in Biomechanics and Biomedical Engineering	JOURNAL
50	Dominic Augustine., Roopa Sripad Rao., Surendra Lakshminarayana., Kavitha Prasad., Shankargouda Patil	Sub-epithelial hyalinization, incomplete cystic lining, and corrugated surface could be a predictor of recurrence in Odontogenic Keratocysts	2021	Journal of Oral Biology and Craniofacial Research	JOURNAL
51	Dominic Augustine., Roopa Sripad Rao., Surendra Lakshminarayana., Kavitha Prasad., Shankargouda Patil	Sub-epithelial hyalinization, incomplete cystic lining, and corrugated surface could be a predictor of recurrence in Odontogenic Keratocysts	2021	Journal of Oral Biology and Craniofacial Research	JOURNAL
52	Bhavya Brahmavar., Safiya Fatima Khan., Asim Mustafa Khan	Mesotherapy using Vitamin C as an anti inflammatory agent in persistent gingival inflammation: A case series	2021	Journal of Indian Society of Periodontology	JOURNAL
53	Bhavya Brahmavar., Ibrahim Fazal., Safiya Fatima Khan	Effect of silver nanoparticle membrane on wound healing and patient satisfaction following flap surgery	2021	International Journal of Applied Dental Sciences	JOURNAL
54	Tarun Vyas., Ravleen Nagi., Rakesh Nagaraja., Sujatha Sampangi., Aravinda Konidena., Ramanpal Singh Makkad	Therapeutic Role of Phytochemicals in the Prevention of Oral Potentially Malignant Disorders and Oral Cancer – A Review	2021	Journal of Evolution of Medical and Dental Sciences	JOURNAL

## Research Publications

55	Pradnya V Kakodkar., Pushpanjali Krishnappa	Ground realities regarding systematic review as library dissertation for postgraduate students in dentistry – A perspective	2021	Journal of Indian Association of Public Health Dentistry	JOURNAL
56	Karuna Kumari., D Sharathkumar Sanketh., Snehashish Ghosh., Roopa	Proliferative Verrucous Leukoplakia Revisited: A	2021	Clinics and Practice	JOURNAL
57	Sripad Rao., Manoj K Upadhyay., A Thirumal Raj., Sameena Parveen., Yaser Ali Alhazmi ., Ankur Jethlia., Shazia Mushtaq., Sachin Sarode., Rodolfo Reda., Shankargouda Patil., Luca Testarelli Sharmistha Naskar., Chandan., Divya Baskaran., Aditya N Roy Choudhury., Subhomoy Chatterjee., bikramjit Basu ., Subbaraj Karunakaran., Bindumalam Venkateshiah Sreenivasa Murthy	Retrospective Clinicopathological Study  Dosimetry of pulsed magnetic field towards attaining bacteriostatic effect on Enterococcus faecalis: Implications for endodontic therapy	2021	International Endodontic Journal	JOURNAL
58	Vinod K Ramani., Ganesha D V., Radheshyam Naik	A Narrative Review of the Risk Factors for Cancer and the Preventive Opportunities: Current Status, Future Perspectives, and Implications for India	2021	Asian Journal of Oncology	JOURNAL
59	Sivaranjani Gali	Cost-effective Methods of Approaching a Dental Unit for Covid-19 Pandemic	2021	Journal of Dental and Orofacial Research	JOURNAL
60	Md Zeeshan Arif., Kritika Rai	DISPOSAL OF BLOOD CONTAMINATED GAUZE PACKS BY ORAL AND MAXILLOFACIAL SURGERY PATIENTS IN SOUTH INDIA: A SURVEY	2021	International Journal of Modern Pharmaceutical Research	JOURNAL
61	Surendra Lakshminarayana., Roopa Sripad Rao., Sowmya Samudrala Venkatesiah., Dominic Augustine., Shankargouda Patil., Vanishri Chandrashekar Haragannavar	Immunohistochemical Analysis of ErbB2 in Odontogenic Lesions: A Pilot Study	2021	World Journal of Dentistry	JOURNAL
62	Surendra Lakshminarayana., Roopa Sripad Rao., Sowmya Samudrala Venkatesiah., Dominic Augustine., Shankargouda Patil., Vanishri Chandrashekar Haragannavar	Immunohistochemical Analysis of ErbB2 in Odontogenic Lesions: A Pilot Study	2021	World Journal of Dentistry	JOURNAL
63	Sivaranjani Gali., Mane Laxmikant Sarjerao., Nagarjuna M A ., M R Bhat	Shear bond strength of bi-layered all ceramics systems with finite element and acoustic emission analysis	2021	Journal of Adhesion Science and Technology	JOURNAL

## Research Publications

64	Sujatha Sampangi., Asha Iyengar., S Pruthvish., Radha Prashanth	Long-term follow-up of tobacco cessation intervention in a dental setting: A randomized trial	2021	Journal of Cancer Research and Therapeutics	JOURNAL
65	pallavi H Nagaiah., Saira Siraj C., Pushpanjali Krishnappa	Tool for Assessment of Rural Oral Health Determinants	2021	Journal of Evolution of Medical and Dental Sciences	JOURNAL
66	Prasad Chitra., Prashantha Govinakovi Shivamurthy., Arun Rao., Harshvardhan S Jois	In Vivo Evaluation of Micronucleus Frequencies in Buccal Mucosal Cells of Orthodontic Patients with and Without Fluoride Use	2021	Journal of Indian Orthodontic Society	JOURNAL
67	Pushpalatha Chikkahanumantharayappa	Effect of theobromine based dental varnish on the enamel surface microhardness-an in vitro study	2021	Abstracts of International Conferences and Meetings	JOURNAL
68	Sivaranjani Gali., Keerthy Meleppura., Vaishnavi M Nayak., Misty Shaw	A technique of designing a 3-dimensionally printed elastomeric impression mixing tip for reuse: A step toward eco friendly dentistry	2021	The Journal of Prosthetic Dentistry	JOURNAL
69	Lakshmi Nidhi Rao., Aditya Shetty., Priyanka Latha Senthikumar., Kaikkere Shreya Shetty., Bhavya Shetty., Srikanth Natarajan	Knowledge, attitude and practice of dental students and practitioners during the early days of COVID-19 pandemic in India: A cross-sectional study	2021	International Journal of Clinical Practice	JOURNAL
70	Kota Bala Chaithanya Prasad., P V Madhavan., Krithika Sekar., L Jeevanandam., Heena Dixit Tiwari., K Pratyusha Lakshmi., Ummey Salma	COMPARISON OF EFFICIENCY OF STRIP CROWNS VERSUS PRIMARY ANTERIOR ZIRCONIUM CROWNS IN 3 TO 6 YEAR OLD CHILDREN: AN ORIGINAL RESEARCH	2021	Turkish Journal of Physiotherapy and Rehabilitation	JOURNAL
71	Siddique Sha	AN OVERVIEW ON SMART POLYMERS AS THE BACKBONE TO HARD TISSUE FORMATION	2021	SPAST Abstracts	JOURNAL
72	Anubhav Koul., Hima B Lanka., Ravishankar Krishna., Thomas Christy Bobby., Rashmi Badadkka Mandokar., Gayathri Devi Sultanpet Krishnappa	A Digital Chairside Technique for an Accurate Evaluation of the Taper of the Prepared Teeth for the Restoration of Crowns and Fixed Partial Dentures	2021	Journal of Contemporary Dental Practice	JOURNAL
73	Sanah Tazeen., Kavitha Prasad., Pragya Singh., Sejal Kumarpal Munoyath., G Prathibha	Maxillary Leiomyosarcoma with Lymph Node Metastasis: Report of an Unusual Case	2021	Journal of Maxillofacial and Oral Surgery	JOURNAL
74	Apoorva Ramachandran	METAGENOMICS OF CARIOGENIC MICROBIOTA IN PRIMARY TEETH WITH DEEP DENTINAL LESIONS -AN ILLUMINA BASED SEQUENCING STUDY	2021	SPAST Abstracts	JOURNAL

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75	Bharkhavy K V	ANTIMICROBIAL ACTIVITY OF SILVER NANOPARTICLES: AN IN VITRO STUDY	2021	SPAST Abstracts	JOURNAL
76	Aamir M Nadeem., Bhaskar Nagaraj., Deepak A Jagadish., Dhruv Shetty., Surendra Lakshminarayana., Dominic Augustine., Roopa Sripad Rao	A Histopathology-based Assessment of Biological Behavior in Oral Hyalinizing Extraosseous Lesions by Differential Stains	2021	Journal of Contemporary Dental Practice	JOURNAL
77	Roopa Sripad Rao., Divya Biligere Shivanna., Kirti S Mahadevapur., Sinchana G Shivaramgowda., Spoorthi Prakash., Surendra Lakshminarayana., Shankargouda Patil	Deep Learning-Based Microscopic Diagnosis of Odontogenic Keratocysts and Non Keratocysts in Haematoxylin and Eosin Stained Incisional Biopsies	2021	Diagnostics	JOURNAL
78	M Aishwarya Ratna., Divya Vinaya., Venkata Lakshmi., Gautami S Penmetsa., Kranti Konuganti., Ravi Varma M	Comparative Evaluation Of Co-Enzyme Q10 Mouthwash And Chlorhexidine Mouthwash In The Treatment Of Gingivitis. A Randomized Controlled Clinical Trial	2021	Natural Volatiles and Essential Oils	JOURNAL
79	Shruthi Eshwar., Kranti Konuganti., Supriya Manvi., Purnima Ashok., Y S Surana., R Sangeetha., V Jain	Histological Assessment of Fucoidan Gelatine Chitosan Compound Injectable Hydrogel for Bone Regeneration in Wistar Rats	2021	Indian Journal of Pharmaceutical Sciences	JOURNAL
80	C NARENDRA BABU., PALLAVIRAM SURE., CHANDRA MOHAN BHUMA	Sparse Bayesian Learning Assisted Approaches for Road Network Traffic State Estimation	2021	IEEE Transactions on Intelligent Transportation Systems	JOURNAL
81	D R Lavanya., G P Darshan., J Malleshappa., H B Premkumar., S C Sharma., S A Hariprasad., H Nagabhushana	Enrichment of Luminescence via Incorporation of Fluxes in La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> :Tb <sup>3+</sup> Nanophosphors: One Material, Many Possibilities-Latent Fingerprint Visualization, Anticounterfeiting, Luminescent Flexible Films	2021	Research Square	JOURNAL
82	Anusha S Muthkur., Nikhil Tippasandra Ramasesha	A CRITICAL REVIEW ON TRANSPORT PLANNING ANALYSIS OF AIRPORT CONNECTIVITY – AIRPORT SURFACE ACCESS	2021	INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH	JOURNAL
83	Anusha S Muthkur., Nikhil Tippasandra Ramasesha	Airport Surface Access – Kempegowda International Airport, Bengaluru, Karnataka	2021	Design Engineering (Toronto)	JOURNAL
84	Pramod Salunkhe., Mahesh Kashinath Varpe., Aaron Sequeira	NUMERICAL INVESTIGATIONS ON THE EFFECT OF HUMIDITY AND WATER INGESTION ON THE PERFORMANCE OF A SUBSONIC AXIAL FLOW COMPRESSOR	2021	UPB Scientific Bulletin, Series D: Mechanical Engineering	JOURNAL

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85	Rajal Kumar Singh., Rinki Sharma., Ankit Anand	Design and Implementation of IoT and Cloud based Prototype for Home Automation System	2021	Sastech Journal	JOURNAL
86	Fadi Al-turjman., Thompson Stephan., Manoj Kumar., Premkumar Chithaluru., Leonardo Mostarda	Energy-efficient blockchain implementation for Cognitive Wireless Communication Networks (CWCNs)	2021	Energy Reports	JOURNAL
87	Senthil Kumar A., Manickavasagam Krishnan	Transmission Line Dynamic Circuit Model for Effective Length of Ground Electrode Under Lightning Transients	2021	IEEE Transactions on Electromagnetic Compatibility	JOURNAL
88	Zabahalshaliakhanum., Akshayakumara V H., Harshitha Ram	Studies on Sustainability Aspects of Building with Different Roofing Systems and Block Work	2021	Turkish Journal of Computer and Mathematics Education	JOURNAL
89	Sivaranjani Gali., Suresh Chiru	Machinability of Zirconia Toughened Mica Glass Ceramics for Dental Restorations	2021	Brazilian Dental Science	JOURNAL
90	jaisankar Natarajan., Vasudha Arora., Shweta Mongia., Sugandha Sharma., Manoj Kumar., Thompson Stephan., Achyut Shankar., Pragya Gupta., Raghav Kachhawaha	Prediction of COVID-19 epidemic curve of India using supervised learning approach	2021	International Journal of Computer Applications in Technology	JOURNAL
91	Punitha S., Fadi Al-turjman., Thompson Stephan	An automated breast cancer diagnosis using feature selection and parameter optimization in ANN	2021	Computers and Electrical Engineering	JOURNAL
92	M Shamim Kaiser., Mufti Mahmud., Saiful Azad., S Punitha., V N Manjunath Aradhya., Thomson Stephan	iWorksafe: Towards Healthy Workplaces During COVID-19 With an Intelligent Phealth App for Industrial Settings	2021	IEEE Access	JOURNAL
93	Osman Yakubu., Narendra Babu Chindanur	Electricity consumption forecasting using DFT decomposition based hybrid ARIMA-DLSTM model	2021	Indonesian Journal of Electrical Engineering and Computer Science	JOURNAL
94	Soumya Jyoti Raychaudhuri., Soumya Manjunath., Chithra Priya Srinivasan., N Swathi., S Sushma., K N Nitin Bhushan., Narendra Babu Chindanur	Prescriptive analytics for impulsive behaviour prevention using real-time biometrics	2021	Progress in Artificial Intelligence	JOURNAL
95	Pramod Kumar., Shashi Bhushan., Manoj Kumar., Thompson Stephan., Achyut Shankar., Peide Liu	FAJIT: a fuzzy-based data aggregation technique for energy efficiency in wireless sensor network	2021	Complex & Intelligent Systems	JOURNAL
96	Sahil Malik., Supriya Raheja., Balqies Sadoun., Mohammad S Obaidat., Anuj Rani., Manoj Kumar., Thompson Stephan	Modeling and simulation of urban air quality with a 2-phase assessment technique	2021	Simulation Modelling Practice and Theory	JOURNAL
97	Sanjay Lakshminarayanan., Kiran Kumar Bodaguru Muniraju., Nagaraja Rao Sulake., Pranupa Siddegowda	Current mode control of single phase grid tie inverter with antiislanding	2021	International Journal of Power Electronics and Drive Systems	JOURNAL



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98	SOORAJ MOHAN., P DINESHA., ANANTH S IYENGAR	Modeling and analysis of a solar minichannel flat plate collector system and optimization of operating conditions using particle swarms	2021	Thermal Science and Engineering Progress	JOURNAL
99	RAVIKUMAR., H N REDDAPPA., M SREENIVASA REDDY., R SURESH	Experimental studies of different quenching media on mechanical and wear behavior of Al7075/SiC/Al2O3 hybrid composites	2021	Frattura ed Integrita Strutturale	JOURNAL
100	SOUMYA JYOTI RAYCHAUDHURI., SOUMYA MANJUNATH., CHITHRA PRIYA SRINIVASAN., N SWATHI., S SUSHMA., K N NITIN BHUSHAN., C NARENDRA BABU	Prescriptive analytics for impulsive behaviour prevention using real-time biometrics	2021	Progress in Artificial Intelligence	JOURNAL
101	Kumar, Saket; Viral, Rajkumar; Deep, Vikas; Sharma, Purushottam; Kumar, Manoj; Mahmud, Mufti; Stephan, Thompson	Forecasting major impacts of COVID-19 pandemic on country driven sectors: challenges, lessons, and future roadmap	2021	PERSONAL AND UBIQUITOUS COMPUTING	JOURNAL
102	Priyanka, R.; Sivapragasam, M.	Multi-fidelity surrogate model-based airfoil optimization at a transitional low Reynolds number	2021	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	JOURNAL
103	Chakravarty, Malobika; Ganguli, Piyali; Murahari, Manikanta; Sarkar, Ram Rup; Peters, Godefridus Johannes; Mayur, Y. C.	Study of Combinatorial Drug Synergy of Novel Acridone Derivatives With Temozolomide Using in-silico and in-vitro Methods in the Treatment of Drug-Resistant Glioma	2021	FRONTIERS IN ONCOLOGY	JOURNAL
104	Praveen L.S., Kadambi G.R., Malathi S., Shankapal P.	A Generic Approach for Computation of Near-Field and Far-Field Pattern of Beamforming Acoustic Transducer Array	2021	International Journal on Communications Antenna and Propagation	JOURNAL
105	Praveen L.S., Kadambi G.R., Malathi S., Shankapal P.	A Generic Approach for Computation of Near-Field and Far-Field Pattern of Beamforming Acoustic Transducer Array	2021	International Journal on Communications Antenna and Propagation	JOURNAL
106	Praveen L.S., Kadambi G.R., Malathi S., Shankapal P.	A Generic Approach for Computation of Near-Field and Far-Field Pattern of Beamforming Acoustic Transducer Array	2021	International Journal on Communications Antenna and Propagation	JOURNAL
107	Yakubu O., Babu C.N., Adjei C.O.	A Novel IoT Based Smart Energy Meter with Backup Battery	2021	International Journal of Computing	JOURNAL

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108	Padala S.P.S., Maheswari J.U.	A REVIEW ON PROBLEM – FOCUS IN MATRIX-BASED METHODS FOR PLANNING CONSTRUCTION PROJECTS	2021	Malaysian Construction Research Journal	JOURNAL
109	Vijaya M.M., Bobby T.C.	Assessment of asymmetry in bilateral static frontal breast thermograms using difference image and radiomic features	2021	Biomedical Sciences Instrumentation	JOURNAL
110	Swathi N., Christy Bobby T.	Breast cancer segmentation of mammographics images using generative adversarial network	2021	Biomedical Sciences Instrumentation	JOURNAL
111	Swathi N., Christy Bobby T.	Breast cancer segmentation of mammographics images using generative adversarial network	2021	Biomedical Sciences Instrumentation	JOURNAL
112	Anusha Vadde S.B., Manickavasagam K., Kadambi G.R.	Characterization of temperature and productive torque for 160l frame squirrel cage induction motor	2021	Journal of Engineering Research (Kuwait)	JOURNAL
113	Alnavar K., Kumar R.U., Babu C.N.	Document Parsing Tool for Language Translation and Web Crawling using Django REST Framework	2021	Journal of Physics: Conference Series	JOURNAL
114	Sushma S., Bobby T.C., Malathi S.	Emotion analysis using signal and image processing approach by implementing deep neural network	2021	Biomedical Sciences Instrumentation	JOURNAL
115	Sushma S., Bobby T.C., Malathi S.	Emotion analysis using signal and image processing approach by implementing deep neural network	2021	Biomedical Sciences Instrumentation	JOURNAL
116	Seema P.D., Christy Bobby T., Anandh K.R.	Radiomics based single and multi-class glioma classification using support vector machine variants	2021	Biomedical Sciences Instrumentation	JOURNAL
117	Ravikumar M., Reddappa H.N., Suresh R., Babu F.R., Nagaraja C.R.	Study on micro-nano sized $\alpha\text{-Al}_2\text{O}_3$ particles on mechanical, wear and fracture behavior of $\text{Al7075}$ metal matrix composites	2021	Frattura ed Integrità Strutturale	JOURNAL
118	Hanumantharayappa A.K.B., Prasanna C., Ragavendra C.C., Beekam C.S., Boluvar L.S., Nagaral M., Rangappa S.	Synthesis and mechanical characterization of $\text{Si}_3\text{N}_4$ reinforced copper-tin matrix composites	2021	Journal of the Mechanical Behavior of Materials	JOURNAL
119	Patnaik S.K., Narendra Babu C.	Trends in web data extraction using machine learning	2021	Web Intelligence	JOURNAL
120	Vijaya Kumar., J Kumaraswamy., G Purushotham., Rohit Suresh	THERMAL ANALYSIS OF NICKEL ALLOY/ $\text{Al}_2\text{O}_3$ /TiO <sub>2</sub> HYBRID METAL MATRIX COMPOSITE IN AUTOMOTIVE ENGINE EXHAUST VALVE USING FEA METHOD	2021	Journal of Thermal Engineering	JOURNAL

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121	R Priyanka., Sivapragasam Munuswamy	Multi-fidelity surrogate model-based airfoil optimization at a transitional low Reynolds number	2021	Sadhana - Academy Proceedings in Engineering Sciences	JOURNAL
122	Saket Kumar., Rajkumar Viral., Vikas Deep., Purushottam Sharma., Manoj Kumar., Mufti Mahmud., Thompson Stephan	Forecasting major impacts of COVID-19 pandemic on country-driven sectors: challenges, lessons, and future roadmap	2021	Personal and Ubiquitous Computing	JOURNAL
123	Punithavathi Duraiswamy., Shankar Kumar Selvaraja	Phase-orthogonal FIR filter based reactive power measurement for power meters	2021	Analog Integrated Circuits and Signal Processing	JOURNAL
124	Ignacio Camarillo., Jeya Shree Thulasidas., S Prabakaran., Indira Megharavalli Shankarappa., S Madhivanan., N Sivakumaran., Raji Sundararajan	Male Breast Cancer: Another Look	2021	The Gazelle of medical sciences	JOURNAL
125	Sanjeev Kumar Punia., Manoj Kumar., Thompson Stephan., Ganesh Gopal Deverajan., Rizwan Patan	Performance Analysis of Machine Learning Algorithms for Big Data Classification: ML and AI Based Algorithms for Big Data Analysis	2021	International Journal of E Health and Medical Communications	JOURNAL
126	Patike Kiran Rao., R Sandeep Kumar., K Sreenivasulu	Cassava Leaf Disease Classification using Separable Convolutions UNet	2021	Turkish Journal of Computer and Mathematics Education	JOURNAL
127	E Naresh., Harshit Agrawal., Sahana Prabhu Shankar	Optimization of association rules using hybrid data mining technique	2021	Innovations in Systems and Software Engineering	JOURNAL
128	Swathy Nair., J Shreya., Vinay Kumar R., Anantharaju Yashaswini., Mukesh Reddy K N., Sushmitha M	Variable speed multi-tap brushless DC motor using wireless technology	2021	SASTech - Technical Journal of RUAS	JOURNAL
129	Swathy Nair., J Shreya., Vinay Kumar R., Anantharaju Yashaswini., Mukesh Reddy K N., Sushmitha M	Variable speed multi-tap brushless DC motor using wireless technology	2021	SASTech - Technical Journal of RUAS	JOURNAL
130	M Ravikumar., Suresh Rangappa., H N Reddappa., Y S Ram Mohan., C R Nagaraja., F R Babu	Investigations on tensile fractography and wear characteristics of Al7075-Al2O3-SiC Hybrid Metal Matrix Composites routed through liquid metallurgical techniques	2021	Frattura ed Integrita Strutturale	JOURNAL
131	H N Reddappa., M Ravikumar., Suresh Rangappa., M Sreenivasa Reddy., E R Babu., N C Reddy., C R Ravikumar., H C Ananda Murthy	Evaluation of Corrosion Properties of Al2O3 and SiC Reinforced Aluminium Metal Matrix Composites Using Taguchi's Techniques	2021	Journal of Scientific Research	JOURNAL
132	Trupti P Wani., Raja Ramar., Madhusudana Reddy G., Shridhar Deshpande	Synthesis and mechanical properties of HDPE based Nano-Clay polymer composites for industrial applications	2021	Advances in Materials and Processing Technologies	JOURNAL

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133	K N Bhatt., Sanket Dessai., V S Yerragudi	Design and development of a parallelized algorithm for face recognition in mobile cloud environment	2021	International Journal of Reconfigurable and Embedded Systems	JOURNAL
134	Punitha Stephan., Thompson Stephan., Ramani Kannan., Ajith Abraham	A hybrid artificial bee colony with whale optimization algorithm for improved breast cancer diagnosis	2021	Neural Computing and Applications	JOURNAL
135	R Krishna., Punithavathi Duraiswamy	Low leakage 10T SRAM cell with improved data stability in deep sub-micron technologies	2021	Analog Integrated Circuits and Signal Processing	JOURNAL
136	Jean Riotte., Jean-Pierre Bedimo Bedimo., Harshad Rameshwar Parate	The Multiscale TROPICAL CatchmentS critical zone observatory M TROPICS dataset III: hydro geochemical monitoring of the Mule Hole catchment, south India	2021	Hydrological Processes	JOURNAL
137	Naresh C., Sureshkumar K R., Sahana Prabhu Shankar., Santosh Dilipkumar Parakh	Computer Vision in Healthcare Management System Through Mobile Communication	2021	Elementary Education Online	JOURNAL
138	Prem Kumar Chithaluru., Mohammad S Khan., Manoj Kumar., Thompson Stephan	ETH-LEACH: An energy enhanced threshold routing protocol for WSNs	2021	International Journal of Communication Systems	JOURNAL
139	Santhosh M.malkapur., Shobha S.ghodke., P.n.sujatha., Yashoda Singh., K.s.shivakumar., Meghanath Sen., Mallur C Narasimhan., Abhishek V Pulgur	Waste-polymer incorporated concrete mixes for neutron and gamma radiation shielding	2021	Progress in Nuclear Energy	JOURNAL
140	Monica Ravishankar., Thinagaran Perumal., Thompson Stephan	Time dependent network resource optimization in cyber-physical systems using game theory	2021	Computer Communications	JOURNAL
141	Inam Ullah Khan., Syed Bilal Hussain Shah., Lei Wang., Muhammad Adnan Aziz., Thompson Stephan., Neeraj Kumar	Routing protocols & unmanned aerial vehicles autonomous localization in flying networks	2021	International Journal of Communication Systems	JOURNAL
142	Aditya Kompella., Raghavendra Venkatesh Kulkarni	A semi-supervised recurrent neural network for video salient object detection	2021	Neural Computing and Applications	JOURNAL
143	Deepthi Antony., Prashwar Mishra., Akshat Todi., Nikhil Abhishek John., Ananya M Patankar	Partial discharge localisation in transformers using UHF technique: non-iterative method	2021	International Journal of Information Technology	JOURNAL
144	Abhishek Manjunath., Nayana N Patil	Effect of sustainable materials on embodied energy, carbon footprint and cost for a proposed conventional apartment	2021	IOP Conference Series: Materials Science and Engineering	JOURNAL
145	S Prajwal., Akshayakumar Veeresh Hanagodimath., Nayana N Patil	Implementation of sustainable materials in an existing residential building and comparison	2021	IOP Conference Series: Materials Science and Engineering	JOURNAL

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146	P Anil Kurian., Ugra Mohan Roy	Design and simulation of optoelectronic oscillator with micro ring resonator and radio frequency amplifier modelling at 110 GHz	2021	Optoelectronics Letters	JOURNAL
147	D M Vyshak., Rangaswamy Komala Chelhan Gowda., Rajashekhar Swamy Harakabhavi Mutt	Comparative Study on Influence of Replaceable Links on Seismic Behavior of Multi-Storey Steel Structure having Different Framing Configuration	2021	International Journal of Mechanical Engineering	JOURNAL
148	Santoshi Kumari Mahesh., Harshitha K Reddy., Chandan S Kulkarni., Vanukuri Gowthami	Debunking Health Fake News with Domain Specific Pre-Trained Model	2021	Global Transitions Proceedings	JOURNAL
149	Varuna Eswei., Sanket Dessai	Processor performance metrics analysis and implementation for MIPS using an open source OS	2021	International Journal of Reconfigurable and Embedded Systems	JOURNAL
150	Sanket Dessai., Deepa Kannan., Shiva Prasad Yadav	Implementation of video surveillance system using embedded Blackfin processor	2021	International Journal of Reconfigurable and Embedded Systems	JOURNAL
151	S M Gopinath., B C Shanthappa., M R Prakash., Nayana Kumari J R., Nikhil Tippasandra Ramasesha., Naveen Kumar Hluvenahalli Siddabasavaiah	STUDY ON DURABILITY PROPERTIES OF BACTERIAL CONCRETE	2021	GIS SCIENCE JOURNAL	JOURNAL
152	Prasad Chitra., Prashantha Govinakovi Shivamurthy., Arun Rao., Harshvardhan S Jois	In Vivo Evaluation of Micronucleus Frequencies in Buccal Mucosal Cells of Orthodontic Patients with and Without Fluoride Use	2021	Journal of Indian Orthodontic Society	JOURNAL
153	Manjunatha., N Lakshmana Swamy., B C Chudamani	EFFECT OF ALUMINUM, ZIRCONIUM, AND FLY ASH COATING ON THE MICROSTRUCTURE OF THREE BODY ABRASIVE WEARS BEHAVIOR OF EN8STEEL	2021	International Journal of Design and Manufacturing Technology	JOURNAL
154	Mukul Bhawe., Sudhir Kumar Patnaik., Narendra Babu Chindanur	Intelligent and adaptive web data extraction system using convolutional and long short-term memory deep learning networks	2021	Big Data Mining and Analytics	JOURNAL
155	Ajith G Joshi., M Manjaiah., S Basavarajappa., Suresh Rangappa	Wear Performance Optimization of SiC-Gr Reinforced Al Hybrid Metal Matrix Composites Using Integrated Regression-Antlion Algorithm	2021	Silicon	JOURNAL
156	M Tejaswini., Sivapragasam Munuswamy	Multi-objective design optimization of turbine blade leading edge for enhanced aerothermal performance	2021	Sadhana - Academy Proceedings in Engineering Sciences	JOURNAL



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157	S Anil Kumar., Mahendra Babu Neelakantanahally Channaiah	AN INVESTIGATION ON THE GROWTH OF FATIGUE CRACK BETWEEN SEQUENTIALLY COID EXPANDED ADJACENT CIRCULAR HOLES IN AL 7075 - T651 ALLOY	2021	Materials Physics and Mechanics	JOURNAL
158	Harshit Agrawal., Sahana Prabhu Shankar., Aditi Pal., Akash Sikarwar	A Survey on Existing Trends in Integration of Blockchain Technology into Internet of Things	2021	SASTech Journal	JOURNAL
159	Harshit Agrawal., Sahana Prabhu Shankar., Aditi Pal., Akash Sikarwar	A Survey on Existing Trends in Integration of Blockchain Technology into Internet of Things	2021	SASTech Journal	JOURNAL
160	Santhosh V., Ugra Mohan Roy	Development of a Photonic Non-Invasive Diabetic Detection System using Skin Temperature	2021	SASTech Journal	JOURNAL
161	Santhosh V., Ugra Mohan Roy	Development of a Photonic Non-Invasive Diabetic Detection System using Skin Temperature	2021	SASTech Journal	JOURNAL
162	Anubhav Koul., Hima B Lanka., Ravishankar Krishna., Thomas Christy Bobby., Rashmi Badakkka Mandokar., Gayathri Devi Sultanpet Krishnappa	A Digital Chairside Technique for an Accurate Evaluation of the Taper of the Prepared Teeth for the Restoration of Crowns and Fixed Partial Dentures	2021	Journal of Contemporary Dental Practice	JOURNAL
163	Kiran Kumar Bodaguru Muniraju., Indira Megharavalli Shankarappa., Nagaraja Rao Sulake	Performance analysis of multiple gain boost converter with hybrid maximum power point tracker for solar PV connected to grid	2021	Clean Energy	JOURNAL
164	Akashdeep Bhardwaj., Fadi Al-turjman., Varun Sapra., Manoj Kumar., Thompson Stephan	Privacy-aware detection framework to mitigate new age phishing attacks	2021	Computers and Electrical Engineering	JOURNAL
165	Pallaviram Sure	On the performance of Grassmann-covariance-matrix-based spectrum sensing for cognitive radio	2021	Sadhana - Academy Proceedings in Engineering Sciences	JOURNAL
166	G. Sai Saravanan., Vijay Kumar., Punithavathi Duraiswamy., Shankar Kumar Selvaraja	Single Stage Low Noise Inductor-Less TIA for RF Over Fiber Communication	2021	IEEE Access	JOURNAL
167	Soumya Jyoti Raychaudhuri., Soumya Manjunath., Chithra Priya Srinivasan., N Swathi., S Sushma., Nitin Bhushan K N., Narendra Babu Chindanur	Impulsive Behavior Detection System Using Machine Learning and IoT	2021	IETE Journal of Research	JOURNAL
168	Suresh Rangappa., Ajith G Joshi., M Manjaiah	Experimental Investigation on Tool Wear in AISI H13 Die Steel Turning Using RSM and ANN Methods	2021	Arabian Journal for Science and Engineering	JOURNAL
169	Nithin Rao Rajkumar., Rinki Sharma	Survey on Content Forwarding and Caching Schemes in Vehicular Named Data Networks	2021	SSRN Electronic Journal	JOURNAL

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170	Suresh Kumar Anisetty., Sri Gowri Kolli., Nagaraja Rao Sulake., Manjunatha B M., Sesi Kiran P., Nileesh Kumar K	Integer factor based SVPWM approach for multilevel inverters with continuous and discontinuous switching sequences	2021	Archives of Electrical Engineering	JOURNAL
171	Pushphavathi Thotadara Parameshwarappa., Ramanamurthy Venkata Prakriya	Hybrid privacy preserving clustering for big data while ensuring security	2021	International Journal of Cloud Computing	JOURNAL
172	Roopa Sripad Rao., Divya Biligere Shivanna., Kirti S Mahadevpur., Sinchana G Shivaramgowda ., Spoorthi Prakash., Surendra Lakshminarayana., Shankargouda Patil	Deep Learning-Based Microscopic Diagnosis of Odontogenic Keratocysts and Non-Keratocysts in Haematoxylin and Eosin-Stained Incisional Biopsies	2021	Diagnostics	JOURNAL
173	Shashank Vadlamani., C O Arun	A perturbation-based stochastic nonlinear beam element formulation using the B-spline wavelet on the interval finite element method	2021	Acta Mechanica	JOURNAL
174	Harvinder Singh., Adarsh Kumar., Kiran Kumar Ravulakollu., Manoj Kumar., Thompson Stephan	Uncertainties evaluation and analysis using quantitative technique for a software project	2021	International Journal of Ad Hoc and Ubiquitous Computing	JOURNAL
175	Seema Begum., Nianmin Yao., Xingwang Li., Syed Bilal Hussain Shah., Thompson Stephan	An SDN-IoT-based secure simulation system for smart cities	2021	International Journal of Ad Hoc and Ubiquitous Computing	JOURNAL
176	Pallaviram Sure., Chithra Priya Srinivasan., Narendra Babu Chindanur	Spatio-Temporal Constraint-Based Low Rank Matrix Completion Approaches for Road Traffic Networks	2021	IEEE Transactions on Intelligent Transportation Systems	JOURNAL
177	Pallaviram Sure., Chithra Priya Srinivasan., Narendra Babu Chindanur	Spatio-Temporal Constraint-Based Low Rank Matrix Completion Approaches for Road Traffic Networks	2021	IEEE Transactions on Intelligent Transportation Systems	JOURNAL
178	Pallaviram Sure., Chithra Priya Srinivasan., Narendra Babu Chindanur	Spatio-Temporal Constraint-Based Low Rank Matrix Completion Approaches for Road Traffic Networks	2021	IEEE Transactions on Intelligent Transportation Systems	JOURNAL
179	Vinay Kumar., Naveen Kumar Thotakanama., Prajwal Kogodu Thirthappa	A Novel Current Sensor less MPPT based Approach for PV Applications Using PSO Technique	2021	Journal of Physics: Conference Series	JOURNAL
180	Sweety Rahul Jamgade., Abby Mathew	Collaborative Operations of Hospitality Industry during COVID-19 Lockdown and Strategic Approach with reference to Bangalore, India	2021	Atna Journal of Tourism Studies	JOURNAL
181	Sweety Rahul Jamgade., Abby Mathew	Collaborative Operations of Hospitality Industry during COVID-19 Lockdown and Strategic Approach with reference to Bangalore, India	2021	Atna Journal of Tourism Studies	JOURNAL

## Research Publications

182	Abdul Kareem., Sweety Rahul Jamgade	Enhancement of Elderly Care and Experiences in Hospitality and Tourism	2021	Journal of Management and Commerce	JOURNAL
183	Abdul Kareem., Sweety Rahul Jamgade	Enhancement of Elderly Care and Experiences in Hospitality and Tourism	2021	Journal of Management and Commerce	JOURNAL
184	Chinthalapatisravani, sheryl Saju., Kandregulabhavya., Fredrick Victorsumit., Nagaraj Allappadarur., Chandrika Paul., Anusha Maliyurbasavaraju	Agro-industrial by-products to food additives: A review	2021	International Journal of Innovative Research in Technology, Science & Engineering (IJITSE)	JOURNAL
185	Dronachari Manvi., Nagenahalli Appanna Nanje Gowda	Mathematical modeling for pulsed microwave convective drying of red gram (Brg 2 variety)	2021	Journal of Pharmacognosy and Phytochemistry	JOURNAL
186	Chennappa Gurikar., H B Vandana., B P Netravati., b P Chaitra Kumari., Nagenahalli Appanna Nanje Gowda., k.n Hanumantharaju., Lokesh Chandrashekar Adappa	Microbial Fuel Cells: An Alternate Approach for Bioelectricity Generation and Waste Management	2021	Journal of Pure and Applied Microbiology	JOURNAL
187	SAMRFFN FATHIMA., SWATI SINHA., SAINITIN DONAKONDA	Network analysis identifies drug targets and small molecules to modulate apoptosis resistant cancers	2021	Cancers	JOURNAL
188	D S N B K PRASANTH., MURAHARI MANIKANTA., VIVEK CHANDRAMOHAN., GANGADHARAPPA BHAVYA., ATMAKURI LAKSHMANA RAO., SIVA PRASAD PANDA., G S N KOTESWARA RAO., GUNTUPALLI CHAKRAVARTI II., NAYUDU TEJAG., PEDDIREDDY SUGUNA RANI., GUMMADI ASHU., CHITTIPROLU PURNADURG	In-silico strategies of some selected phytoconstituents from Melissa officinalis as SARS CoV-2 main protease and spike protein (COVID-19) inhibitors	2021	Molecular Simulation	JOURNAL
189	Medha Anant Joshi	Principles of Medical Education: A Review of Book's Fifth Edition	2021	INTERNATIONAL JOURNAL OF APPLIED AND BASIC MEDICAL RESEARCH	JOURNAL
190	Kawakubo, Shusuke; Gao, Fangluan; Li, Shifang; Tan, Zhongyang; Huang, Ying-Kun; Adkar-Purushothama, Charith Raj; Gurikar, Chennappa; Maneechoat, Phoowanarth; Chiemsoombat, Pissawan; San Aye, Seint; Furuya, Naruto; Shevchenko, Oleksiy; Spak, Josef; Skoric,	Genomic analysis of the brassica pathogen turnip mosaic potyvirus reveals its spread along the former trade routes of the Silk Road	2021	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	JOURNAL

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191	Guddeti, Rohith Kumar; Thomas, Liz; Kannan, Anbarasu; Karyala, Prashanthi; Pakala, Suresh B.	The chromatin modifier MORC2 affects glucose metabolism by regulating the expression of lactate dehydrogenase A through a feed forward loop with c Myc	2021	FFBS IFTTFRS	JOURNAL
192	Patel, Ashish; Rajendran, Malathi; Shah, Ashish; Patel, Harnisha; Pakala, Suresh B.; Karyala, Prashanthi	Virtual screening of curcumin and its analogs against the spike surface glycoprotein of SARS-CoV-2 and SARS-CoV	2021	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	JOURNAL
193	Nayak B., Kharvi S., Varghese A., Mb A.	Bacteriological profile and antibiotic sensitivity pattern in chronic obstructive pulmonary disease patients	2021	Reviews in Medical Microbiology	JOURNAL
194	Murugan Rajadurai., Smriti Chawla., M Amarnath Sathesh	Economic Impact and Challenges in Waste Management	2021	Journal of Pharmaceutical Sciences and Research	JOURNAL
195	B Ranganna., S Subramanya., Nagenahalli Appanna Nanje Gowda	DEVELOPMENT OF A PNEUMATIC BASED JACKFRUIT CORER CUM SPLITTER FOR BULBS SEPARATION	2021	Multilogic in science	JOURNAL
196	Rayees A Wani., Shaila Din., Misbah Khan., Shafeeq A Hakeem., Nasreen Jahan., Riaz A Lone., Jahangeer A Baba., Gowhar Nabi Parray., Jahangeer A Khan	Canopy management in fruit crops for maximizing productivity	2021	International Journal of Chemical Studies	JOURNAL
197	Yogita Bhal., Soumya Gupta	Vitamins and Minerals in the fight against COVID-19: A Brief Review	2021	Journal of Dental and Orofacial Research	JOURNAL
198	Sundara Saravanan Kamatchi., Selvam Arjunan., Selvaraj Kunjiappan., Parasuraman Pavada., Lakshmi Manickvasagam Sundar	Phytoconstituents as Lead Compounds for Anti-Dengue Drug Discovery	2021	Advances in Experimental Medicine and Biology	JOURNAL
199	Ch Jemima., K N Hanumantharaju., Lokesh Chandrashekar Adappa., H K Chaitra., V Pranav., Akhil S Nair	Study on Physical Properties of Potato Starch-based Edible Film Incorporated with Orange Essential Oil	2021	Chemical Science Review and Letters	JOURNAL
200	Vinod K Ramani., Shruthi M Shetty., Radheshyam Naik	A Narrative Review on Universal Health Coverage- Concepts, Policy Implications and Path Ahead for India	2021	Journal of Community Medicine & Public Health	JOURNAL
201	Sayantan Biswas., Partha Biswas	Agreement and Repeatability of Corneal Thickness and Radius among Three Different Corneal Measurement Devices	2021	Optometry and Vision Science	JOURNAL
202	Varsha Kaur., Selvam Arjunan., Indira Nanaiah	Extraction of Dyes from Plant Sources and their application on Cotton and Wool using Mordants	2021	Current Trends in Biotechnology and Pharmacy	JOURNAL

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203	Kalbhor Aniket., Uday Kumar Jagannathan	Bailard, biehl and kaiser five way model and behavioural biases influencing individual investors' decisions in the Indian capital market	2021	MUDRA: JOURNAL OF FINANCE AND ACCOUNTING	JOURNAL
204	Rashmi Ravi., Nirmal Raj V K	A Study on the Implementation and the Impact of Artificial Intelligence in Banking Processes	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
205	Sangeetha Nigadi ., Savitha Kulkarni	A study on vulnerabilities in Indian banking sector: with reference to blockchain technology	2021	International Journal of Financial Services Management	JOURNAL
206	Rashmi Ravi., Suresh Narayanarao., Lokande Sheetal R	Impact of mergers and acquisitions on the stock price behavior of merger and acquirer companies in oil and Gas Industry	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
207	Rashmi Ravi., Suresh Narayanarao., Lokande Sheetal R	Impact of mergers and acquisitions on the stock price behavior of merger and acquirer companies in oil and Gas Industry	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
208	Rashmi Ravi., Suresh Narayanarao., Lokande Sheetal R	Impact of mergers and acquisitions on the stock price behavior of merger and acquirer companies in oil and Gas Industry	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
209	Ajay Raju., Divyashree C	A Study on Tax Audit under GST (Goods and Services Tax)	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
210	Ajay Raju., Divyashree C	A Study on Tax Audit under GST (Goods and Services Tax)	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
211	Sruthi B., Rashmi Ravi	A Study on Working capital Management in Hindustan Petroleum Corporation Limited	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
212	Sruthi B., Rashmi Ravi	A Study on Working capital Management in Hindustan Petroleum Corporation Limited	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
213	Ajay Raju., Nandini N S	A Study on impact of Forensic Audit towards Investigation and Prevention of Frauds	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
214	Ajay Raju., Nandini N S	A Study on impact of Forensic Audit towards Investigation and Prevention of Frauds	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
215	Renee Namratha., S Manoj	Employee Retention Strategies in IT Industry A Study of select it Companies in Bengaluru City	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
216	Renee Namratha., S Manoj	Employee Retention Strategies in IT Industry A Study of select it Companies in Bengaluru City	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL



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217	George Jithu., Rashmi Ravi	A study on role of financial inclusion on regional rural banks with reference to Kerala Gramin Bank	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
218	George Jithu., Rashmi Ravi	A study on role of financial inclusion on regional rural banks with reference to Kerala Gramin Bank	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
219	Loukik T V., Renee Namratha	A study on workforce diversity and its impact on employee performance in the Indian Higher Education sector	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
220	Loukik T V., Renee Namratha	A study on workforce diversity and its impact on employee performance in the Indian Higher Education sector	2021	ASIAN JOURNAL OF MANAGEMENT	JOURNAL
221	Annette N., Mohith A., Niraj O., Greeshma H S., Nabyasha S., Renee Namratha	Application of Quality Function Deployment for repositioning of FMC in M.com in comparison with tier 2 Institutes across India using House of Quality	2021	Journal of Management and Commerce	JOURNAL
222	Annette N., Mohith A., Niraj O., Greeshma H S., Nabyasha S., Renee Namratha	Application of Quality Function Deployment for repositioning of FMC in M.com in comparison with tier 2 Institutes across India using House of Quality	2021	Journal of Management and Commerce	JOURNAL
223	Vinaya T P., Rajeev Prasad Peddathumkepalii., Mamatha Srirama Venkatesu	A Study on Improving the Contribution of Stakeholders towards Innovation in the Educational Institutions	2021	Journal of Management and Commerce	JOURNAL
224	Emmanuel Ocloo., Gnaneshwaran Devakumar., Sharath Kumar K M	Determination of Critical Factors for Success and Sustainability of MSMFs in Greater Accra Region of Ghana	2021	Journal of Management and Commerce	JOURNAL
225	Emmanuel Ocloo., Gnaneshwaran Devakumar., Sharath Kumar K M	Determination of Critical Factors for Success and Sustainability of MSMEs in Greater Accra Region of Ghana	2021	Journal of Management and Commerce	JOURNAL
226	Richard Kodi., Sharath Kumar K M	Contextual analysis of performance appraisal models in IIEs in developed and developing countries—a review of literature	2021	International Journal of Educational Administration and Policy Studies	JOURNAL
227	Siddheshwar P.G., Sakshath T.N.	Steady finite-amplitude Rayleigh–Bénard convection of ethylene glycol–copper nanoliquid in a high-porosity medium made of 30% glass fiber-reinforced polycarbonate	2021	Journal of Thermal Analysis and Calorimetry	JOURNAL

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228	N Basavaraju., S C Prashantha., H Nagabhushana., C Pratapkumar., C R Ravikumar., M R Anil Kumar., B S Surendra., T R Shashi Shekhar., H P Nagaswarupa., Premakumar Halanur Basavarajaiah	MgNb <sub>2</sub> O <sub>6</sub> :Dy <sup>3+</sup> nanophosphor: A facile preparation, down conversion photoluminescence and UV driven photocatalytic properties	2021	Ceramics International	JOURNAL
229	M Narayana., M Shekar., P G Siddheshwar., Anuraj Nelakunte Venkatesh	On the differential transform method of solving boundary eigenvalue problems: An illustration	2021	ZAMM Zeitschrift für Angewandte Mathematik und Mechanik	JOURNAL
230	Raveendra Melavanki., Kalpana Sharma., V T Muttannavar., Raviraj Kusanur., Kariyappa Katagi., Swarna M Patra., Siva Umapathy., Kishor Kumar Sadasivuni., Vikas Manohar Shelar., Diksha Singh., N R Patil., Varsha V Koppal	Quantum chemical computations, fluorescence spectral features and molecular docking of two biologically active heterocyclic class of compounds	2021	Journal of Photochemistry and Photobiology A: Chemistry	JOURNAL
231	C Siddabasappa., Tipperudraswamy Nagarathna Sakshath	Effect of thermal non-equilibrium and internal heat source on Brinkman–Bénard convection	2021	Physica A: Statistical Mechanics and its Applications	JOURNAL
232	A Naveen Kumar., D M Jnaneshwara., H Nagabhushana., S C Prashantha., M Chandrasekhar., C R Ravikumar., M R Anil Kumar., N Basavaraju., T R Shashi Shekhar., Premakumar Halanur Basavarajaiah	Enhanced photoluminescence, electrochemical and photocatalytic activity of combustion synthesized La <sub>10</sub> Si <sub>6</sub> O <sub>27</sub> :Dy <sup>3+</sup> nanophosphors	2021	Journal of Science: Advanced Materials and Devices	JOURNAL
233	Prabhavati G Angadi., G S Shivaprasanna., Somashekhara Ganganna., P Siva Kota Reddy	Ricci solitons on (LCS) manifolds under D-homothetic deformation	2021	Italian Journal of Pure and Applied Mathematics	JOURNAL
234	N Latha., D Kavyashree., D R Lavanya., G P Darshan., J Malleshappa., T B Nijalingappa., H Nagabhushana	Spectroscopic investigation of ultrasound assisted sonochemical synthesis of BiOCl: Dy <sup>3+</sup> nanophosphors for latent fingerprints visualization	2021	Inorganic Chemistry Communication	JOURNAL
235	K R Ashwini., H Nagabhushana., S C Sharma., S C Prashantha., Premakumar Halanur Basavarajaiah., G P Darshan., B Daruka Prasad	Dysprosium doped strontium aluminate dusting powder: Sweat pores visualization and white LED component	2021	Inorganic Chemistry Communication	JOURNAL
236	D Navami., G P Darshan., D R Lavanya., Premakumar Halanur Basavarajaiah., S C Sharma., H Adarsha., H C Prameela., H Nagabhushana	Design of green emitting CaZrO <sub>3</sub> : Tb <sup>3+</sup> nanophosphor: Luminescence based platform for real-time ultrasensitive detection of latent fingerprints and anti-counterfeiting applications	2021	Optical Materials	JOURNAL

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237	Anantharamaiah Pendaranahalli Nadikeraiah., B Prerna Rao., H M Shashanka., J A Chelvane., V Khopkar., B Sahoo	Role of Mg <sup>2+</sup> and In <sup>3+</sup> substitution on magnetic, magnetostrictive and dielectric properties of NiFe <sub>2</sub> O <sub>4</sub> ceramics derived from nanopowders	2021	Physical Chemistry Chemical Physics	JOURNAL
238	Anantharamaiah Pendaranahalli Nadikeraiah., B Prerna Rao., H M Shashanka., J A Chelvane., V Khopkar., B Sahoo	Role of Mg <sup>2+</sup> and In <sup>3+</sup> substitution on magnetic, magnetostrictive and dielectric properties of NiFe <sub>2</sub> O <sub>4</sub> ceramics derived from nanopowders	2021	Physical Chemistry Chemical Physics	JOURNAL
239	Subramanyam Thupalle., Ranadheer Donthi., V Satish Kumar., S Amalanathan., Madhusudhan Zalki	A NEW STEPWISE METHOD FOR SELECTION OF INPUT AND OUTPUT VARIABLES IN DATA ENVIRONMENTAL ANALYSIS	2021	Journal of Mathematical and Computational Science	JOURNAL
240	Hemanthkumar Bojappa., Chandankumar Sathyanarayana	NEW CONGRUENCES MODULO SMALL POWERS OF 2 FOR OVERPARTITIONS INTO ODD PARTS	2021	Matematiski Vesnik	JOURNAL
241	Chinnasamy Murugesan., William Remlalfaka., Anantharamaiah Pendaranahalli Nadikeraiah., Nagu Manikanda Prabu	Fabrication of magnetically recoverable BiVO <sub>4</sub> /NiFe <sub>2</sub> O <sub>4</sub> composites for the photocatalytic degradation of methylene blue	2021	Ceramics International	JOURNAL
242	Somashekhar Ganganna., Girish Babu Shivanna., P S K Reddy	Indefinite Sasakian Manifold with Quarter-Symmetric Metric Connection	2021	Proceedings of the Jangjeon Mathematical Society	JOURNAL
243	P N ANANTHARAMAIAH., H M SIIASIANKA., R KUMAR., J A CHELVANE., B SAHOO	Chemically enabling CoFe <sub>2</sub> O <sub>4</sub> for magnetostrictive strain sensing applications at lower magnetic fields: Effect of Zn substitution	2021	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	JOURNAL
244	A SANDHYARANI., M K KOKILA., G P DARSHAN., H NAGABHUSHANA., S C SHARMA., H B PREMKUMAR., DARUKA PRASAD B	Fabrication of flux supported SrTiO <sub>3</sub> :Eu <sup>3+</sup> fluorescent powders: New prospective of dual mode, ink-free data security applications	2021	Journal of Science: Advanced Materials and Devices	JOURNAL
245	Angadi, V. Jagadeesha; Manjunatha, K.; Praveena, K.; Pattar, Vinayak K.; Fernandes, Brian Jeevan; Manjunatha, S. O.; Husain, Jakeer; Angadi, S., V; Horakeri, L. D.; Ramesh, K. P.	Magnetic properties of larger ionic radii samarium and gadolinium doped manganese zinc ferrite nanoparticles prepared by solution combustion method	2021	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	JOURNAL
246	Molugu, Trivikram R.; Mallikarjuniah, K. J.; Kinnun, Jacob J.; Petrache, Horia I.; Doktorova, Milka; Khelashvili, George; Ashkar, Rana; Brown, Michael F.	Membrane Deformation Modulated by Hydration and Cholesterol Unveiled by Solid- State H-2 NMR Spectroscopy	2021	BIOPHYSICAL JOURNAL	JOURNAL
247	Swamy Akshatha G., Esther A.S., Jyotsna K., Sheetal B.	Capsicum annuum longum stalk, a prospective sorbent for the removal of mercury from simulated waste water: Kinetic and thermodynamic studies	2021	Research Journal of Chemistry and Environment	JOURNAL

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248	Yadav V., Chandankumar S.	On "mixed" modular equations of degree 21	2021	South East Asian Journal of Mathematics and Mathematical Sciences	JOURNAL
249	Chandrika K C., Thippeswamy Niranjana Prabhu., R R Siva Kiran., R Hari Krishna	Applications of artificial neural network and Box-Behnken Design for modelling malachite green dye degradation from textile effluents using TiO <sub>2</sub> photocatalyst	2021	Environmental Engineering Research	JOURNAL
250	Govind R Kadambi., Ramya Deepak Shetty., Indira Narayanaswamy	Riemann Surface Structure for a Curved Surface with Punctured Features	2021	Nepal Journal of Mathematical Sciences	JOURNAL
251	Gireesh Dapparathi Shivanna., Chiranjit Ray., Shivashankar Chandrappa	A new analogue of t-core partitions	2021	Acta Arithmetica	JOURNAL
252	Siddabasappa Channabassappa., P G Siddheshwar., O D Makinde	A study on entropy generation and heat transfer in a magnetohydrodynamic flow of a couple-stress fluid through a thermal nonequilibrium vertical porous channel	2021	Heat Transfer	JOURNAL
253	K. Manjunatha., Jagadeesha Angadi V., M. C. Oliveira., R A P Ribeiro., Manjunatha Sushilamma Onkarappa., N H Ayachit	Towards shape-oriented Bi-doped CoCr2O4 nanoparticles from theoretical and experimental perspectives: structural, morphological, optical, electrical and magnetic properties	2021	Journal of Materials Chemistry C	JOURNAL
254	Venu KumarSwamy., Halammanavar Gangadharappa Nagaraja., Devasandra Lakshmana Kiran Kumar	Ricci solitons and gradient Ricci solitons in a D-homothetically deformed K contact manifold	2021	Balkan Journal of Geometry and its Applications	JOURNAL
255	Siddabasappa Channabassappa., P G Siddheshwar	Linear and Global Stability Analyses on the Influences of Thermal Non-Equilibrium and Non-uniform Gravity Field on Darcy-Brinkman-Bénard Convection	2021	International Journal of Applied and Computational Mathematics	JOURNAL
256	Siddabasappa Channabassappa	A study on the influence of a local thermal non-equilibrium on the onset of Darcy-Bénard convection in a liquid-saturated anisotropic porous medium	2021	Journal of Thermal Analysis and Calorimetry	JOURNAL
257	Thomas Varghese., Priyanka Karathan Parakkandy., Kagalagodu Manjunthiah Balakrishna	Effective Dye Degradation Using Sol-Gel Synthesized Titania Nanostructures	2021	Current Analytical Chemistry	JOURNAL
258	J A Chelvane., B Sahoo., S Saha., Anantharamaiah Pendaranahalli Nadikeraiah., H M Shashanka	Enabling cobalt ferrite (CoFe2O4) for low magnetic field strain responsivity through Bi3+ substitution: Material for magnetostrictive sensors	2021	Journal of Alloys and Compounds	JOURNAL

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259	A V Anupama., Balaram Sahoo., Harish K Choudhary., Shivanad Madolappa Channakote	Dielectric properties of A-site Mn doped bismuth sodium titanate perovskite: $(\text{BiO-5Na0.5})0.9\text{Mn0-1TiO3}$	2021	Materials Chemistry and Physics	JOURNAL
260	K N Narasimhamurthy., G P Darshan., S C Sharma., H B Premkumar., H Adarsha., H Nagabhushana	Surface functionalized inorganic phosphor by grafting organic antenna for long term preservation of latent fingerprints and data-security applications	2021	Journal of Colloid and Interface Science	JOURNAL
261	Md Samiul Haque., G S Shivaprasanna., Somashekhara Ganganna., Savithri Shashidhar	$\eta$ -RICCI YAMABE SOLITON ON LP SASAKIAN MANIFOLDS	2021	Journal of Mathematical and Computational Science	JOURNAL
262	K R Ashwini., Nagabhushana H., Sharma S C., Premakumar Halanur Basavarajaiah., Darshan G P., Prashantha S C	Green emitting $\text{SrAl}_2\text{O}_4:\text{Tb}^{3+}$ nano-powders for forensic, anti-counterfeiting and optoelectronic devices	2021	Inorganic Chemistry Communication	JOURNAL
263	K R Jyothi., Nagabhushana N M., Nagabhushana H., Darshan G P., Vinayakprasanna N.hegde., S C Sharma., K R Bhagya	Phytochemical mediated synthesis of praseodymium doped beta-eucryptite nanophosphor for ultraviolet stimulated fluorescence based unclonable security applications	2021	Inorganic Chemistry Communication	JOURNAL
264	Smita Mane., Kariyappa Katagi., Shridhar V Pattar., Raviraj Kusanur., Raveendra Melavanki., Kalpana Sharma., Basappa Chanabasappa Yallur., Diksha Singh., Kishor Kumar Sadasivuni	Understanding the binding interaction between phenyl boronic acid P1 and sugars: determination of association and dissociation constants using 5–V plots, steady-state spectroscopic methods and molecular docking	2021	Luminescence	JOURNAL
265	S C Sharma., M K Ravindra., D R Lavanya., K M Mahadevan., H Adarsha., H Nagabhushana., G P Darshan., Premakumar Halanur Basavarajaiah	Aggregation induced emission based active conjugated imidazole luminogens for visualization of latent fingerprints and multiple anticounterfeiting applications	2021	Scientific Reports	JOURNAL
266	S Girish Babu., Somashekhara Ganganna., P Siva Kota Reddy	$\eta$ -Ricci Soliton in an Indefinite Trans-Sasakian Manifold Admitting Semi-Symmetric Metric Connection	2021	Boletim da Sociedade Paranaense de Matematica	JOURNAL
267	Tipperudraswamy Nagarathna Sakshath., Arundhathi P Joshi	Effect of horizontal pressure gradient on Rayleigh–Bénard convection of a Newtonian nanoliquid in a high porosity medium using a local thermal non-equilibrium model	2021	Heat Transfer	JOURNAL
268	P.g. Siddheshwar., Tipperudraswamy Nagarathna Sakshath., Siddabasappa Channabassappa	Effect of rotation on Brinkman-B' enard convection of a Newtonian nanoliquid using local thermal non-equilibrium model	2021	Thermal Science and Engineering Progress	JOURNAL



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269	S Girish Babu., P S K Reddy., Somashekhara Ganganna	CONFORMAL RICCI SOLITON IN AN INDEFINITE TRANS SASAKIAN MANIFOLD	2021	Vladikavkaz Mathematical Journal	JOURNAL
270	R Mohan., Jineesh Ayippadath Gopi., Nagu Manikanda Prabu	Fabrication of reusable polymer nanocomposite films made of thermoplastic polyurethane and modified BiVO <sub>4</sub> for photodegradation of Malachite Green	2021	Environmental Engineering Research	JOURNAL
271	Raju B Jummannaver., Shashank D Shindhe., Bhargavi Deshpande	MODELING PHYSICO-CHEMICAL PROPERTIES OF BENZENOID HYDROCARBONS USING TOPOLOGICAL INDICES OF MOLECULAR GRAPHS	2021	Advances and Applications in Mathematical Sciences	JOURNAL
272	S Girish Babu., Somashekhara Ganganna., P Siva Kota Reddy	Conformal $\eta$ Ricci solitons in Lorentzian para Sasakian manifold admitting semi-symmetric metric connection	2021	Italian Journal of Pure and Applied Mathematics	JOURNAL
273	S Girish Babu., Somashekhara Ganganna., P Siva Kota Reddy	Ricci solitons and generalized weak symmetries under D-homothetically deformed LP-Sasakian manifolds	2021	Italian Journal of Pure and Applied Mathematics	JOURNAL
274	Mahadev Madivalappa Channakote., Dilipkumar V Kalse	Heat Transfer in Peristaltic Motion of Rabinowitsch Fluid in a Channel with Permeable wall	2021	Applications and Applied Mathematics	JOURNAL
275	Vinayak Adimule., Basappa C Yallur., Sheetal Batakurki., Adarsha Haramballi Jagadeesha Gowda	Microwave Assisted Synthesis of Cr doped Gd <sub>2</sub> O <sub>3</sub> Nanostructures and Investigation on Morphology, Optical, Photoluminescence Properties	2021	Nanoscience and Technology	JOURNAL
276	K C Chandrika., Anantharamaiah Pendaranahalli Nadikeraiah., R Hari Krishna., Jineesh Ayippadath Gopi., Thippeswamy Niranjana Prabhu	CoFe <sub>2</sub> O <sub>4</sub> -TiO <sub>2</sub> a Lethal P-n heterogeneous catalyst for malachite green degradation under visible light and optimisation of parameters by the Taguchi Method	2021	Materials Technology	JOURNAL
277	G Chandrashekaraiiah., A Jayasheelan., C Narayana Reddy., V C Veeranna Gowda., Kodirampura Jayaramappa Mallikarjunaiah	Correlation among the oxide ion polarizability, optical basicity and interaction parameter in Gd <sup>3+</sup> ions doped oxyhalide borate glasses	2021	Journal of Physics: Conference Series	JOURNAL
278	Muzammil K.M., Mukherjee D., Azamthulla M., Teja B.V., Kaamnoore D., Anbu J., Srinivasan B., Jeevan Kasture G.	Castor oil reinforced polymer hybrids for skin tissue augmentation	2021	International Journal of Polymeric Materials and Polymeric Biomaterials	JOURNAL
279	Muzammil K.M., Mukherjee D., Azamthulla M., Teja B.V., Kaamnoore D., Anbu J., Srinivasan B., Jeevan Kasture G.	Castor oil reinforced polymer hybrids for skin tissue augmentation	2021	International Journal of Polymeric Materials and Polymeric Biomaterials	JOURNAL

## Research Publications

280	Neha R., Subeesh V., Beulah E., Gouri N., Maheswari E.	Existence of Notoriety Bias in FDA Adverse Event Reporting System Database and Its Impact on Signal Strength	2021	Hospital Pharmacy	JOURNAL
281	Neha R., Subeesh V., Beulah E., Gouri N., Maheswari E.	Existence of Notoriety Bias in FDA Adverse Event Reporting System Database and Its Impact on Signal Strength	2021	Hospital Pharmacy	JOURNAL
282	Thimmasetty J., Ghosh T., Nayak N.S., Raheem A.	Oral Bioavailability Enhancement of Paliperidone by the use of Cocrystallization and Precipitation Inhibition	2021	Journal of Pharmaceutical Innovation	JOURNAL
283	Ponnusamy Palanisamy., Parasuraman Pavadai., Sankarganesh Arunachalam., Sureshbabu Ram Kumar Pandian., Vigneshwaran Ravishankar., Saravanan Govindaraj., Balasubramanian Somasundaram., Theivendren Panneerselvam., Selvaraj Kunjiappan	Removal of water and their soluble materials from fuels using Moringa oleifera loaded keratin-co-sodium acrylate hydrogel	2021	Journal of Porous Materials	JOURNAL
284	Hajira Banu Haroon., Vijaybhanu Perumalsamy., Gouri Nair., Rajitha Kolli., Kanchan Prabha., Dhanusha Koppal Anand., Joel Monichen	Repression of Polyol Pathway Activity by Hemidesmus indicus var. pubescens R.Br. Linn Root Extract, an Aldose Reductase Inhibitor: An In Silico and Ex Vivo Study	2021	Natural Products and Bioprospecting	JOURNAL
285	Hajira Banu Haroon., Vijaybhanu Perumalsamy., Gouri Nair., Rajitha Kolli., Kanchan Prabha., Dhanusha Koppal Anand., Joel Monichen	Repression of Polyol Pathway Activity by Hemidesmus indicus var. pubescens R.Br. Linn Root Extract, an Aldose Reductase Inhibitor: An In Silico and Ex Vivo Study	2021	Natural Products and Bioprospecting	JOURNAL
286	Hajira Banu Haroon., Vijaybhanu Perumalsamy., Gouri Nair., Rajitha Kolli., Kanchan Prabha., Dhanusha Koppal Anand., Joel Monichen	Repression of Polyol Pathway Activity by Hemidesmus indicus var. pubescens R.Br. Linn Root Extract, an Aldose Reductase Inhibitor: An In Silico and Ex Vivo Study	2021	Natural Products and Bioprospecting	JOURNAL
287	Kaliaperumal Krishnaraj., Sathiya Ramu., Anbu Jayaraman	Therapeutic potential of fucoidan derived from Sargassum wightii greville in diabetic encephalopathy – behavioural, biochemical, histopathological and histochemical evidences	2021	Phytomedicine Plus	JOURNAL
288	Subeesh Kulangara Viswam., Maheswari Eswar., Hemendra Singh., Reddy Neha., Faizan Mazhar	Finding Early Improvement Threshold to Predict Response After 8 Weeks of Treatment Using Risperidone in First-Episode Psychosis	2021	Journal of Clinical Psychopharmacology	JOURNAL

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289	Gouri Nair., Saraswathy Ganesan Rajalakshmi., G N S Hema Sree	Target mining and drug repurposing for hepatocellular carcinoma via bioinformatic and computational approaches	2021	Annals of Oncology	JOURNAL
290	Gouri Nair., Saraswathy Ganesan Rajalakshmi., G N S Hema Sree	Target mining and drug repurposing for hepatocellular carcinoma via bioinformatic and computational approaches	2021	Annals of Oncology	JOURNAL
291	Gouri Nair., Saraswathy Ganesan Rajalakshmi., G N S Hema Sree	Target mining and drug repurposing for hepatocellular carcinoma via bioinformatic and computational approaches	2021	Annals of Oncology	JOURNAL
292	D S N B K PRAŠANTH., MURAHARI MANIKANTA., VIVEK CHANDRAMOHAN., GANGADHARAPPA BHAVYA., ATMAKURI LAKSHMI MANA RAO., SIVA PRASAD PANDA., G S N KOTESWARA RAO., GUNTUPALLI CHAKRAVARTHI., NAYUDU TEJAG., PEDDIREDDY SUGUNA RANI., GUMMADI ASHU., CHITTIPROLU PURNADURG	In-silico strategies of some selected phytoconstituents from Melissa officinalis as SARS CoV 2 main protease and spike protein (COVID 19) inhibitors	2021	Molecular Simulation	JOURNAL
293	FRCAN BURSALI., FIKRET TURKAN., KFNAN RUI DURUN., NEVIN TURAN., ABDULMELIK ARAS., NAKI ÇOLAK., MANIKANTA MURAHARI., MAYUR C YERGERI	Transition metal complexes of a multidentate Schiff base ligand containing pyridine: synthesis, characterization, enzyme inhibitions, antioxidant properties, and molecular docking studies	2021	BioMetals	JOURNAL
294	SACHIN S BHAT., DHRUBOJYOTI MUKHERJEE., PINAL SUKHARAMWALA., RACHITA DEHURI., ANITA MURALI., BANALA VENKATESH TEJA	Thiolated polymer nanocarrier reinforced with glycyrrhetic acid for targeted delivery of 5-fluorouracil in hepatocellular carcinoma	2021	Drug Delivery and Translational Research	JOURNAL
295	SACHIN S BHAT., DHRUBOJYOTI MUKHERJEE., PINAL SUKHARAMWALA., RACHITA DEHURI., ANITA MURALI., BANALA VENKATESH TEJA	Thiolated polymer nanocarrier reinforced with glycyrrhetic acid for targeted delivery of 5-fluorouracil in hepatocellular carcinoma	2021	Drug Delivery and Translational Research	JOURNAL
296	SACHIN S BHAT., DHRUBOJYOTI MUKHERJEE., PINAL SUKHARAMWALA., RACHITA DEHURI., ANITA MURALI., BANALA VENKATESH TEJA	Thiolated polymer nanocarrier reinforced with glycyrrhetic acid for targeted delivery of 5-fluorouracil in hepatocellular carcinoma	2021	Drug Delivery and Translational Research	JOURNAL
297	Jayanna N., Ghazala Sultan., Syed Hussain Basha., Sasi Priya S V S., Inamul Hasan Madar., Syed Heena Kousar	In silico screening of Indian medicinal plants active constituents database revealed Gmelanone and Litseferine as potential 3CLpro antagonists targeting SARS-CoV-2	2021	Journal of Peer Scientist	JOURNAL

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298	Ramesh Dhani., Harish Kumar Donthi Ramachandra., Deveswaran Rajamanickam	Bioanalytical Method Development and Validation of Empagliflozin by LC-MS/MS Method and Quantitative Estimation of Drug Concentration in Human Plasma	2021	Asian Journal of Pharmaceutics	JOURNAL
299	Ramesh Dhani., Harish Kumar Donthi Ramachandra., Deveswaran Rajamanickam	Bioanalytical Method Development and Validation of Empagliflozin by LC-MS/MS Method and Quantitative Estimation of Drug Concentration in Human Plasma	2021	Asian Journal of Pharmaceutics	JOURNAL
300	Ramesh Dhani., Harish Kumar Donthi Ramachandra., Deveswaran Rajamanickam	Bioanalytical Method Development and Validation of Empagliflozin by LC-MS/MS Method and Quantitative Estimation of Drug Concentration in Human Plasma	2021	Asian Journal of Pharmaceutics	JOURNAL
301	Divyashri, G.; Murthy, P. Krishna; Sundareshan, Subramaniam; Kamath, Pavan; Murahari, Manikanta; Saraswathy, G. R.; Sadanandan, Bindu	In silico approach towards the identification of potential inhibitors from Curcuma amada Roxb against H. pylori: ADMET screening and molecular docking studies	2021	BIOIMPACTS	JOURNAL
302	Divyashri, G.; Murthy, P. Krishna; Sundareshan, Subramaniam; Kamath, Pavan; Murahari, Manikanta; Saraswathy, G. R.; Sadanandan, Bindu	In silico approach towards the identification of potential inhibitors from Curcuma amada Roxb against H. pylori: ADMET screening and molecular docking studies	2021	BIOIMPACTS	JOURNAL
303	Kumar, Birendra; Parasuraman, P.; Murthy, Thirupathihalli Pandurangappa Krishna; Murahari, Manikanta; Chandramohan, Vivek	In silico screening of therapeutic potentials from Strychnos nux-vomica against the dimeric main protease (M-pro) structure of SARS-CoV-2	2021	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	JOURNAL
304	Singh H., Shreyash G., Ramappa S.A., Kanneganti S.P., Subeesh V.	Assessment of sleep quality and its predictors among newly diagnosed psychiatric patients	2021	Journal of Basic and Clinical Physiology and Pharmacology	JOURNAL
305	Chhabra M., Kashyap A., Sreenivasan S., Rajan A.K., Rashid M.	Ciprofloxacin induced cutaneous adverse drug events: A systematic review of descriptive studies	2021	Journal of Basic and Clinical Physiology and Pharmacology	JOURNAL
306	Kulkarni A.R., Nair H.P., Maheswari C., Balekuduru A., Saraswathy G.R., Swaroop A.M.	Deprescribing of Inappropriately Consumed Proton Pump Inhibitors and its Clinical Consequences	2021	Online Journal of Health and Allied Sciences	JOURNAL
307	Pandian S.R.K., Panneerselvam T., Pavadai P., Govindaraj S., Ravishankar V., Palanisamy P., Sampath M., Sankaranarayanan M., Kunjiappan S.	Nano Based Approach for the Treatment of Neglected Tropical Diseases	2021	Frontiers in Nanotechnology	JOURNAL

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308	Sai M.V.S., Subeesh V., Hema Sree G.N.S., Saraswathy G.R., Gouri N.	Prediction of potential targets of an emerging zoonotic paramyxovirus: An integrated bioinformatics analysis	2021	Current Pharmacogenomics and Personalized Medicine	JOURNAL
309	Sai M.V.S., Subeesh V., Hema Sree G.N.S., Saraswathy G.R., Gouri N.	Prediction of potential targets of an emerging zoonotic paramyxovirus: An integrated bioinformatics analysis	2021	Current Pharmacogenomics and Personalized Medicine	JOURNAL
310	Sai M.V.S., Subeesh V., Hema Sree G.N.S., Saraswathy G.R., Gouri N.	Prediction of potential targets of an emerging zoonotic paramyxovirus: An integrated bioinformatics analysis	2021	Current Pharmacogenomics and Personalized Medicine	JOURNAL
311	Neha R., Boulah C., Anusha B., Vasista S., Stephy C., Subeesh V.	Vemurafenib induced drug reaction with eosinophilia and systemic symptoms (DRESS): A disproportionality analysis in FAERS database	2021	Current Reviews in Clinical and Experimental Pharmacology	JOURNAL
312	Chakali Ayyanna., T Y Sree Sudha., Anbu Jayaraman	Pharmacokinetic and Pharmacodynamic Interaction between Metformin and Fenofibrate in Animal Models	2021	Asian Journal of Pharmaceutics	JOURNAL
313	Birendra Kumar., Parasuraman Pavadai., Thirupathihalli Pandurangappa Krishna Murthy., Manikanta Swamy Murahari., Vivek Chandramohan	In silico screening of therapeutic potentials from Strychnos nux-vomica against the dimeric main protease (M <sup>pro</sup> ) structure of SARS-CoV-2	2021	Journal of Biomolecular Structure and Dynamics	JOURNAL
314	G Divyashri ., T P Krishna Murthy., Subramaniam Sundareshan., Pavan Kamath., Manikanta Swamy Murahari., Saraswathy Ganesan Rajalakshmi., Bindu Sadanandan	In silico approach towards the identification of potential inhibitors from Curcuma amada Roxb against H. pylori: ADMET screening and molecular docking studies	2021	BioImpacts	JOURNAL
315	G Divyashri ., T P Krishna Murthy., Subramaniam Sundareshan., Pavan Kamath., Manikanta Swamy Murahari., Saraswathy Ganesan Rajalakshmi., Bindu Sadanandan	In silico approach towards the identification of potential inhibitors from Curcuma amada Roxb against H. pylori: ADMET screening and molecular docking studies	2021	BioImpacts	JOURNAL
316	Sayed Hootan Hamidi., Sandhya Kadamboor Veethil., Seyedeh Harir Hamidi	Role of pirfenidone in TGF- $\beta$ pathways and other inflammatory pathways in acute respiratory syndrome coronavirus 2 (SARS-Cov-2) infection: a theoretical perspective	2021	Pharmacological Reports	JOURNAL
317	Bellapu Anusha., Sharma Vasista., Chacko Stephy., Preethi Shanmugam., T Anil Kumar., Subeesh Kulangara Viswam	Early conversion of intravenous to oral antibiotic therapy in uncomplicated urinary and respiratory tract infection	2021	Drugs and Therapy Perspectives	JOURNAL



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318	Frédérique Thonon ., Swati Perrot., Abhijna Vithal Yergolkar., Olivia Rousset-torrente ., James W Griffith ., Olivier Chassany., Martin Duracinsky	Electronic Tools to Bridge the Language Gap in Health Care for People Who Have Migrated: Systematic Review	2021	Journal of Medical Internet Research	JOURNAL
319	Nausheen Ahmed., Manoj Kumar Sampath., Hajira Banu Haroon., Supriha Dinesh., Mohammad Azamthulla., Gowri Radhakrishnan., Swathi Govindappa	Tamarindus indica. Linn leaves ameliorates experimental induced heart failure in Wistar rats	2021	Journal of Basic and Clinical Physiology and Pharmacology	JOURNAL
320	Nausheen Ahmed., Manoj Kumar Sampath., Hajira Banu Haroon., Supriha Dinesh., Mohammad Azamthulla., Gowri Radhakrishnan., Swathi Govindappa	Tamarindus indica. Linn leaves ameliorates experimental induced heart failure in Wistar rats	2021	Journal of Basic and Clinical Physiology and Pharmacology	JOURNAL
321	Swati Krishna., S Birendra Kumar., T P Krishna Murthy., Manikanta Swamy Murahari	Structure-based design approach of potential BCL-2 inhibitors for cancer chemotherapy	2021	Computers in Biology and Medicine	JOURNAL
322	S Birendra Kumar., Swati Krishna., Sneha Pradeep ., Divya Elsa Mathews., Ramya Pattabiraman., Manikanta Swamy Murahari., I P Krishna Murthy	Screening of natural compounds from Cyperus rotundus Linn against SARS-CoV-2 main protease (M pro): An integrated computational approach	2021	Computers in Biology and Medicine	JOURNAL
323	F Turkan., E Bursal., A Cetin., Manikanta Swamy Murahari	Synthesis, Characterization, Enzyme Inhibitory Activity, and Molecular Docking Analysis of a New Series of Thiophene-Based Heterocyclic Compounds	2021	Russian Journal of Organic Chemistry	JOURNAL
324	S Raghavendra., C S Chidan Kumar., D J Madhu Kumar., Mohammed Al-ghorbani., Ali Alsalmeh., C K Quah., P V Raghavendra., Felcy Jyothi Serrao., S M Dharmaparakash	Polymorphic donor-acceptor substituted chalcone: structural, spectral, dielectric and nonlinear optical properties for optical limiting applications	2021	Chemical Papers	JOURNAL
325	Tanmoy Ghosh., Devcswaran Rajamanickam., Sinhari Apurba., K Kavana., R Monisha., Bharath Srinivasan	In vitro Investigation of Wound Healing Potential of Musa acuminata Leaf Extract	2021	Analytical Chemistry Letters	JOURNAL
326	Vasanti Suvarna., Vikas Singh., Dhvani Sharma., Manikanta Swamy Murahari	Experimental and computational insight of the supramolecular complexes of Irbesartan with $\beta$ -cyclodextrin based nanosponges	2021	Journal of Drug Delivery Science and Technology	JOURNAL
327	Nilofer Gerald Arakal., Vaishali Sharma., Avinash Kumar., B Kavya., N G Devadath., S Birendra Kumar., Krishna T P Murthy., Manikanta Swamy Murahari	Ligand based design approach of potential Bcl 2 inhibitors for cancer chemotherapy	2021	Computer Methods and Programs in Biomedicine	JOURNAL

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328	Nilofer Gerald Arakal., Vaishali Sharma., Avinash Kumar., B Kavya., N G Devadath., S Birendra Kumar., Krishna T P Murthy., Manikanta Swamy Murahari	Ligand-based design approach of potential Bcl-2 inhibitors for cancer chemotherapy	2021	Computer Methods and Programs in Biomedicine	JOURNAL
329	Nilofer Gerald Arakal., Vaishali Sharma., Avinash Kumar., B Kavya., N G Devadath., S Birendra Kumar., Krishna T P Murthy., Manikanta Swamy Murahari	Ligand-based design approach of potential Bcl-2 inhibitors for cancer chemotherapy	2021	Computer Methods and Programs in Biomedicine	JOURNAL
330	Sundara Saravanan Kamatchi., Selvam Arjunan., Selvaraj Kunjiappan., Parasuraman Pavadai., Lakshmi Manickvasagam Sundar	Phytoconstituents as Lead Compounds for Anti-Dengue Drug Discovery	2021	Advances in Experimental Medicine and Biology	JOURNAL
331	Sundara Saravanan Kamatchi., Selvam Arjunan., Selvaraj Kunjiappan., Parasuraman Pavadai., Lakshmi Manickvasagam Sundar	Phytoconstituents as Lead Compounds for Anti-Dengue Drug Discovery	2021	Advances in Experimental Medicine and Biology	JOURNAL
332	D S N B K Prasanth ., Manikanta Swamy Murahari., Vivek Chandramohan., Chakravarthi Guntupalli., Lakshmana Rao Atmakuri	Computational study for identifying promising therapeutic agents of hydroxychloroquine analogues against SARS-CoV-2	2021	Journal of Biomolecular Structure and Dynamics	JOURNAL
333	Sai Sravanthi Rompicharla., Ann Mary Swaroop	Impact of Clinical Pharmacist Intervention on the Management of Health Related Quality of Life in Chronic Obstructive Pulmonary Disease	2021	International Journal of Research in Engineering, Science and Management	JOURNAL
334	Sai Sravanthi Rompicharla., Ann Mary Swaroop	Impact of Clinical Pharmacist Intervention on the Management of Health Related Quality of Life in Chronic Obstructive Pulmonary Disease	2021	International Journal of Research in Engineering, Science and Management	JOURNAL
335	Mohammad Azamthulla., Thanuja N K., Sandhya Kadamboor Veethil	A POTENTIAL SIDDHA MINERAL DRUG; PAVALAPARPAM	2021	International journal of modern pharmaceutical research	JOURNAL
336	Mohammad Azamthulla., Thanuja N K., Sandhya Kadamboor Veethil	A POTENTIAL SIDDHA MINERAL DRUG; PAVALAPARPAM	2021	International journal of modern pharmaceutical research	JOURNAL
337	S Manoj Kumar., Mohammad Azamthulla., Sundara Saravanan Kamatchi	Pharmacognostical evaluation and anti-convulsant property of Annona reticulata Linn. (Annonaceae) root	2021	Future Journal of Pharmaceutical Sciences	JOURNAL
338	S Manoj Kumar., Mohammad Azamthulla., Sundara Saravanan Kamatchi	Pharmacognostical evaluation and anti-convulsant property of Annona reticulata Linn. (Annonaceae) root	2021	Future Journal of Pharmaceutical Sciences	JOURNAL

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339	Fikret Türkan., Mehmet Nuri Atalar., Abdülmelik Aras., Ercan Bursal., Mustafa Abdullah Yilmaz., Ebubekir Izol., Manikanta Swamy Murahari., Mushtaq Ahmad	Enzyme inhibitory function and phytochemical profile of <i>Inula discoidea</i> using in vitro and in silico methods	2021	Biophysical Chemistry	JOURNAL
340	Subeesh Kulangara Viswam., Faizan Mazhar., Yalamanchili Jahnavi., Reddy Neha., Gouri Nair	Adverse events associated with remdesivir in Covid-19 patients: Evaluation of spontaneous reports submitted to US FDA adverse event reporting system (FAERS)	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
341	Subeesh Kulangara Viswam., Faizan Mazhar., Yalamanchili Jahnavi., Reddy Neha., Gouri Nair	Adverse events associated with remdesivir in Covid-19 patients: Evaluation of spontaneous reports submitted to US FDA adverse event reporting system (FAERS)	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
342	Subeesh Kulangara Viswam., Faizan Mazhar., Yalamanchili Jahnavi., Reddy Neha., Gouri Nair	Adverse events associated with remdesivir in Covid-19 patients: Evaluation of spontaneous reports submitted to US FDA adverse event reporting system (FAERS)	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
343	Reddy Neha., Gouri Nair., Subeesh Kulangara Viswam., Faizan Mazhar., Yalamanchili Jahnavi	Adverse events in Covid 19 patients treated with lopinavir/ritonavir: Exploration of US FDA adverse event reporting system (FAERS) reports	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
344	Reddy Neha., Gouri Nair., Subeesh Kulangara Viswam., Faizan Mazhar., Yalamanchili Jahnavi	Adverse events in Covid-19 patients treated with lopinavir/ritonavir: Exploration of US FDA adverse event reporting system (FAERS) reports	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
345	Reddy Neha., Gouri Nair., Subeesh Kulangara Viswam., Faizan Mazhar., Yalamanchili Jahnavi	Adverse events in Covid-19 patients treated with lopinavir/ritonavir: Exploration of US FDA adverse event reporting system (FAERS) reports	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
346	Yalamanchili Jahnavi., Reddy Neha., Gouri Nair., Subeesh Kulangara Viswam., Faizan Mazhar	Tocilizumab induced adverse events in Covid 19 patients: Exploration of reports submitted to US FDA adverse event reporting system (FAERS)	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
347	Yalamanchili Jahnavi., Reddy Neha., Gouri Nair., Subeesh Kulangara Viswam., Faizan Mazhar	Tocilizumab induced adverse events in Covid-19 patients: Exploration of reports submitted to US FDA adverse event reporting system (FAERS)	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
348	Yalamanchili Jahnavi., Reddy Neha., Gouri Nair., Subeesh Kulangara Viswam., Faizan Mazhar	Tocilizumab induced adverse events in Covid-19 patients: Exploration of reports submitted to US FDA adverse event reporting system (FAERS)	2021	Pharmacoepidemiology and Drug Safety	JOURNAL

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349	Siyad Kalamveettill., Subeesh Kulangara Viswam	Teratogenicity associated with antibiotic therapy; a disproportionality analysis in spontaneous reporting database	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
350	Siyad Kalamveettill., Subeesh Kulangara Viswam	Teratogenicity associated with antibiotic therapy; a disproportionality analysis in spontaneous reporting database	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
351	Titus Christa., Maheswari Eswaran., Subeesh Kulangara Viswam	Comparison of safety signals between selective serotonin-reuptake inhibitors (SSRI) and serotonin norepinephrine reuptake inhibitors (SNRI) employing FDA adverse event reporting system (FAERS) database	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
352	Titus Christa., Maheswari Eswaran., Subeesh Kulangara Viswam	Comparison of safety signals between selective serotonin-reuptake inhibitors (SSRI) and serotonin-norepinephrine reuptake inhibitors (SNRI) employing FDA adverse event reporting system (FAERS) database	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
353	Subeesh Kulangara Viswam., Kalamveettill Siyad	Aromatase inhibitors associated with Sjogren's syndrome: A disproportionality analysis in spontaneous reporting database	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
354	Subeesh Kulangara Viswam., Kalamveettill Siyad	Aromatase inhibitors associated with Sjogren's syndrome: A disproportionality analysis in spontaneous reporting database	2021	Pharmacoepidemiology and Drug Safety	JOURNAL
355	Hema., K Radhika., Raghunadha Burri R., V Lakshmi Prasanna Marise., Kshreeraja Satish S., Abhijna Vithal Yergolkar., Mamatha Krishna Murthy., Saraswathy Ganesan Rajalakshmi	Untangling huge literature to disinter genetic underpinnings of Alzheimer's Disease: A systematic review and meta analysis	2021	Ageing Research Reviews	JOURNAL
356	Tanmoy Ghosh., Thimmasetty J., Shashank N N., Abdul Raheem T., Shwetha S K K	Modafinil Cocrystals for Altered Physicochemical Properties	2021	Research Journal of Pharmacy and Technology	JOURNAL
357	Prasanth D.S.N.B.K., Murahari M., Chandramohan V., Panda S.P., Atmakuri L.R., Guntupalli C.	In silico identification of potential inhibitors from Cinnamon against main protease and spike glycoprotein of SARS CoV-2	2021	Journal of Biomolecular Structure and Dynamics	JOURNAL
358	Banala Venkatesh Teja., M Radhika., Devanand Kamnoore., Dhrubojyoti Mukherjee., Damodar Nayak Ambuja., Parasuraman Pavadai	Hydroxyapatite nanoparticle-enriched thiolated polymer-based biocompatible scaffold can improve skin tissue regeneration	2021	Journal of Materials Research	JOURNAL

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359	Banala Venkatesh Teja., M Radhika., Devanand Kamnoore., Dhrubojyoti Mukherjee., Damodar Nayak Ambuja., Parasuraman Pavadai	Hydroxyapatite nanoparticle enriched thiolated polymer based biocompatible scaffold can improve skin tissue regeneration	2021	Journal of Materials Research	JOURNAL
360	Banala Venkatesh Teja., M Radhika., Devanand Kamnoore., Dhrubojyoti Mukherjee., Damodar Nayak Ambuja., Parasuraman Pavadai	Hydroxyapatite nanoparticle-enriched thiolated polymer-based biocompatible scaffold can improve skin tissue regeneration	2021	Journal of Materials Research	JOURNAL
361	Arjun Kumar Kalimuthu., Theivendren Panneerselvam., Parasuraman Pavadai., Sureshbabu Ram Kumar Pandian., Krishnan Sundar., Sankaranarayanan Murugesan., Damodar Nayak Ambuja., Sattanathan Kumar., Sankarganesh Arunachalam., Selvaraj Kunjiappan	Pharmacoinformatics-based investigation of bioactive compounds of Rasam (South Indian recipe) against human cancer	2021	Scientific Reports	JOURNAL
362	Arjun Kumar Kalimuthu., Theivendren Panneerselvam., Parasuraman Pavadai., Sureshbabu Ram Kumar Pandian., Krishnan Sundar., Sankaranarayanan Murugesan., Damodar Nayak Ambuja., Sattanathan Kumar., Sankarganesh Arunachalam., Selvaraj Kunjiappan	Pharmacoinformatics-based investigation of bioactive compounds of Rasam (South Indian recipe) against human cancer	2021	Scientific Reports	JOURNAL
363	Gouri Nair., Krishna Murthy T P., Hema Sree G N S., Saraswathy Ganesan Rajalakshmi., V Lakshmi Prasanna Marise	Application of comprehensive bioinformatics approaches to reconnoiter crucial genes and pathways underpinning hepatocellular carcinoma: a drug repurposing endeavor	2021	Medical Oncology	JOURNAL
364	Gouri Nair., Krishna Murthy T P., Hema Sree G N S., Saraswathy Ganesan Rajalakshmi., V Lakshmi Prasanna Marise	Application of comprehensive bioinformatics approaches to reconnoiter crucial genes and pathways underpinning hepatocellular carcinoma: a drug repurposing endeavor	2021	Medical Oncology	JOURNAL
365	Nevin Turan., Kenan Buldurun., Fikret Türkan., Abdulmelik Aras., Naki Çolak., Manikanta Swamy Murahari., Asim Mantarc	Some metal chelates with Schiff base ligand: synthesis, structure elucidation, thermal behavior, XRD evaluation, antioxidant activity, enzyme inhibition, and molecular docking studies	2021	Molecular Diversity	JOURNAL
366	Hajira Banu Haroon., Dhrubojyoti Mukherjee., Anbu Jayaraman., Banala Venkatesh Teja	Thiolated Chitosan-Centella asiatica Nanocomposite: A Potential Brain Targeting Strategy Through Nasal Route	2021	AAPS PharmSciTech	JOURNAL
367	Hajira Banu Haroon., Dhrubojyoti Mukherjee., Anbu Jayaraman., Banala Venkatesh Teja	Thiolated Chitosan-Centella asiatica Nanocomposite: A Potential Brain Targeting Strategy Through Nasal Route	2021	AAPS PharmSciTech	JOURNAL



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368	Gopalan Rajagopal., Ambikapathi Nivetha., Madasamy Sundar., Theivendran Panneerselvam., Sankaranarayanan Murugesan., Parasuraman Pavadai., Sallanathan Kumar., S Ilango., Selvaraj Kunjiappan	Mixed phytochemicals mediated synthesis of copper nanoparticles for anticancer and larvicidal applications	2021	Heliyon	JOURNAL
369	Selvaraj Kunjiappan., Murugesan Sankaranarayanan., Parasuraman Pavadai., Ewa Babkiewicz., Lalitha Arulmani., Vellaichamy Sivakumar	Capsaicin-loaded solid lipid nanoparticles: Design, biodistribution, in silico modeling and in vitro cytotoxicity evaluation	2021	Nanotechnology	JOURNAL
370	Ponnusamy Palanisamy., Sureshbabu Ram Kumar Pandian., Parasuraman Pavadai., Sivakumar Vellaichamy., Vigneshwaran Ravishankar., Lakshmi Manickvasagam Sundar., Vivek Chandramohan., Murugesan Sankaranarayanan., Theivendren Panneerselvam., Selvaraj Kunjiappan	Formulation and evaluation of rutin-loaded solid lipid nanoparticles for the treatment of brain tumor	2021	Naunyn- Schmiedeberg's Archives of Pharmacology	JOURNAL
371	Ponnusamy Palanisamy., Selvaraj Kunjiappan., Parasuraman Pavadai., Sivakumar Vellaichamy., Sureshbabu Ram Kumar Pandian., Vigneshwaran Ravishankar., Saravanan Govindaraj., Gowshiki Srinivasan ., Adhvitha Premanand., Murugesan Sankaranarayanan., Panneerselvam Theivendren	Surface receptor-mediated targeted drug delivery systems for enhanced cancer treatment: A state-of-the-art review	2021	Drug Development Research	JOURNAL
372	Thimmasetty J., Basavarajappa A P., Subrahmanyam C V S., Shreya A B., Tanmoy Ghosh., Manjunath K	Influence of Molecular Level Interactions of Ofloxacin and Methylxanthines in Pharmacotherapy	2021	RGUHS Journal of Pharmaceutical Sciences	JOURNAL

# Annexure 5

## Placements



## Placements

Directorate of Student Affairs (DSA) assists each student in exploring placement prospects by inviting various companies for campus recruitment drive for students who are in the final year of the programme and are likely to graduate at the end of the academic year. The students are prepared for their final placement through an incessant and structured interface with the industry through vigorous internships, guest talks and industrial visits, industry ready course curriculum and Pre-placement training sessions (PPTs). Hence, final placement is a culmination of all these processes.

The following are the major objectives of the Placement cell:

- To organize pre-placement training/workshops/seminars for students.
- To identify suitable employers and help them achieve their hiring goals
- To assist our students in obtaining final placement in reputed companies.
- To collect feedback from employers where our students are selected.
- To act as a link between students, alumni and the employment community.

### Few glimpses of Pre-placement Training Programs



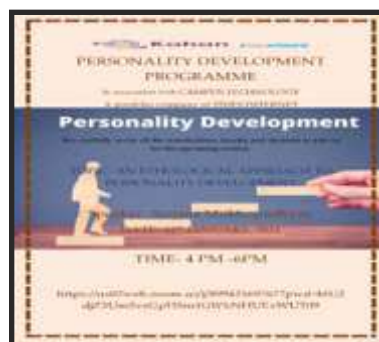
With the aim to enhance the capability of the students to get placed during campus placement drive and to provide a platform to hone the social skills and to get a realm of experiences beyond academics, Udaan ... a program for Career enhancement is conducted all around the academic calendar. The sessions that were organized during this quarter are as follows:

#### Out-sourced sessions

A webinar was organized for the 3rd and 4th Year B. Tech students on the topic “Using Covid-19 crisis how to make a bright future” by TIME through Microsoft Teams. The webinar was conducted by Mrs. Vijayalakshmi, Verbal Head Faculty from TIME.



Founder, Scout Academy conducted these webinars on 16th & 20th January, 2022



Two webinars were organized for Final & Pre Final Year B. Tech students on the topic “Cyber Security” and “How to become a Cyber Security Analyst in 2021” by Scout Academy. Mr. Pranshu Sugura, B.Tech (Mechanical) an alumnus of IIT Madras and

## Placements



An online session named “An ethological approach to Personality Development” was conducted for the students by Kahan Technology, in association to Timespro Campus Technology as part of the Personality Development Program on 12th January, 2021 by Ms. Sarjana Mukhopadhyay

An online Campus to Corporate Workshop named “Ace your dream job with success triangle” was organized on 26th Mar, 2021 for the final year students of Faculty of Pharmacy. The workshop was conducted by Ms. Sneha Sharma, Career Coach and Personality Development Trainer. The training program focused on developing the students' skills for the industry and increasing the students' readiness for the corporate world especially during these tough times.



### In-house sessions:

A webinar was organized on 5th Jan, 2021 for the final year students across faculty on the topic “Civil Services as a Career Option” by Directorate of Student Affairs in association with Ramaiah Officers IAS Academy through Microsoft Teams. The webinar was conducted by Mr. S. G. Hedge IAS (Retd.), Chief Coordinator, Ramaiah Officers IAS Academy

### Online Session



As part of the Pre-placement Training Program, a session on Professional Etiquettes for Interview was delivered by Dr. Reema Chaudhury, Director - Student Affairs on 18th January, 2021 through Microsoft Teams.



## Placements



A session on “My journey as an Entrepreneur” by Mr. Gaurav Dua, Co-Founder, HOBIT Technologies, was organized on 7th May, 2021 for Management students

A session on “MBA in India and Abroad” by Career Launcher was organized for Management students from 8th to 10th June, 2021.



On 7th June, a Panel Discussion on Jobs and Careers in Pharma for the students of B. Pharm and M.Pharm final year students was conducted.

A webinar on “How to Crack an Online Job Interview” by Ms. Nikita Chaudhury, Soft Skills Trainer, was held on 10th May, 2021.





## Placements



On 12th June, 2021, an “ONLINE HYPERGROWTH SESSION” was organized for Pharmacy students by PADHHIGH to give career guidance and to acquaint the students how to excel in professional endeavours during Covid times. The webinar was conducted by a very aspiring woman Ms. Pallavi Gupta.

### Key Highlights of Placement 2021-2022

150+MNCs	300+ Companies	3 International Placements	45,00,000 Per Annum Highest National Package	22,00,000 Per Annum Highest International Package
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## Placements

### List of companies and no. of students selected

Sl.No	Faculty	Company	Selected
1	FMC	ABB	1 (MBA ) 2022
2		ANZ	1 (MBA ) 2022
3		Aragen Life Sciences	1 (MBA ) 2022
4		Arzoo	4 (MBA) 2022
5		Artech	1 (MBA ) 2022
6		Atkins	13 (MBA) 2022
7		AXA	1 (MBA ) 2022
8		BuyMore, Kormangala	1 (MBA ) 2022
9		CareerNet	6 (MBA) 2022
10		Capgemini	1 (MBA ) 2022
11		Byjus	2 (MBA) 2022
12		Clevernist	9 (MBA) 2022
13		DXC	9 (MBA) 2022
14		Concentrix	1 (MBA ) 2022
15		Eishner Amper	1 (MBA ) 2022
16		Factana Computing	1 (MBA ) 2022
17		Factspan	3 (MBA) 2022
18		FedBank	1 (MBA ) 2022
19		Happy Locate	5 (MBA) 2022
20		HCAH	5 (MBA) 2022
21		HCL	20 (MBA) 2022
22		Hygine Bigbyte Private Ltd	1 (MBA ) 2022
23		ICICI prudentials	2 (MBA) 2022
24		Intellipaat	2 (MBA) 2022
25		Matrix Geo	1 (MBA ) 2022
26		Mercedeez Benz	1 (MBA ) 2022
27		Motilal Oswal	2 (MBA) 2022
28		Mr Cooper	2 (MBA) 2022
29		PayTm	3 (MBA) 2022
30		Ramaiah Hospital	1 (MBA ) 2022
31		Retail business	1 (MBA ) 2022
32		Royaloak	3 (MBA) 2022
33		SBI Life Insurance	5 (MBA) 2022
34		SEG Automotive	1 (MBA ) 2022
35		Service Co-operative Society Kundapur	1 (MBA ) 2022
36		Spinny	1 (MBA ) 2022
37		Succeed technologies	1 (MBA ) 2022
38		Taskmo	10 (MBA) 2022

## Placements

39		Tata Elxsi	1 (MBA ) 2022
40		TCS	4 (MBA) 2022
41		Test Yantra	2 (MBA) 2022
42		Textile Genesis	3 (MBA) 2022
43		TVS	1 (MBA ) 2022
44		UpGrad	6 (MBA) 2022
45		Wiley - Mthree	8 (MBA) 2022
46		Wipro	2 (MBA) 2022
47		Zyoin	2 (MBA) 2022
48		Higher Studies	1 (MBA ) 2022
49		Family Business	3 (MBA) 2022
50		Married	2 (MBA) 2022
51		Atkins	1 (M.Com) 2022
52		Intellipaat	3 (M.Com) 2022
53		Mr Cooper	1 (M.Com) 2022
54	FET	Accolite Digital	2(B. Tech) 2021
55		Thought Clan Technologies	3(B. Tech) 2021
56		HCL	65(B. Tech) 3Mtech 2021
57		Mindtree	15(B. Tech) 2021
58		Maveric	6(B. Tech) 2021
59		FDeck Technologies	3 (B. Tech) 2021
60		TCS	23(B. Tech) 2022
61		L & T	51(B. Tech) 6 (Mtech) 2022
62		Atkins	9(B. Tech) 2022
63		Infosys	2(B. Tech) 2022
64		Ninja cart	3(B. Tech) 2022
65		Amazon	16(B. Tech) 2022
66		Conga	13(B. Tech) 2022
67		Bizom	4(B. Tech) 2022
68		Textron	3(B. Tech) 2022
69		Abinbev	2(B. Tech) 2022
70		Volcera Analytics	4(B. Tech) 2022
71		Capgemini	1(B. Tech) 2022
72		Johnson Controls	2(B. Tech) 2022
73		Inmovidu	11(B. Tech) 2022
74		Wesure	1(B. Tech) 2022
75		Revature	9(B. Tech) 2022
76		MTR Foods	1(B. Tech) 2022
77		Wipro	16(B. Tech) 2022

## Placements

78		Byju's	3(B.Tech) 2022
79		Infosys	2(B.Tech) 2022
80		IBM	1(B.Tech) 2022
81		Profich Solutions	1(B.Tech) 2022
82		Pentagon Space	5(B.Tech) 2022
83		Pinclick	11(B.Tech) 2022
84		Nagarro Software	1(B.Tech) 2022
85		Agrima	9(B.Tech) 2022
86		Iopex	5(B.Tech) 2022
87		Brigisha Technologies	2(B.Tech) 2022
88		UCAM	2(B.Tech) 2022
89		6D technologies	2(B.Tech) 2022
90		Palle Technologies	6(B.Tech) 2022
91		Cisco	1(B.Tech) 2022
92		Renault Nissan	1(B.Tech) 2022
93		O9 technologies	3(B.Tech) 2022
94		Rockwell Technologies	1(B.Tech) 2022
95		Valdel Advanced Technologies	3(B.Tech) 2022



### Our Esteemed Recruiters



amazon.in, HFCB, EY, IBM, SAP, Infosys, etc.

and Many More ...

# Annexure 6

## Software List





### Software List

- 1) JMP Academic Suite Small University (Up to 9999)
- 2) Altair FEKO Paid up hosted research perpetual license 20.0V

### Special Equipment's include

- Scanning Electron Microscope
- Tunnelling Microscope
- 3D Printers (ABS and Metal)
- ABB Robot
- Jet Engine Test Facility
- Aircrafts (2)
- Laser Trackers and CMMs for Reverse Engineering
- Universal Testing Machine with Insitu-Scanner and Camera Facility
- High Performance Thin Layer Chromatography (HPTLC)
- High Performance Liquid Chromatography (HPLC)
- Fourier Transform Infrared Spectrophotometer (FTIR)
- UV –Visible Spectrophotometer
- Pilot Model – Pharma Products Manufacturing
- Cone Beam Computed Tomography (CBCT)
- 18000C Furnace
- Aircraft grade Composites Manufacturing Facility
- Clean Room (10000 grade)
- Wind Tunnels-Subsonic and Supersonic
- CNC-Turning Centre, Machining Centre and Wirecut EDM

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