RAMAIAH
UNIVERSITY
OF APPLIED SCIENCES

ANNUAL REPORT
(For Year Ended 31st March 2021)

Ramaiah University of Applied Sciences
University House, New BEL Road, MSR Nagar, Bangalore – 560 054
www.msruas.ac.in

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1. Preamble

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.

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.

Ramaiah University of Applied Sciences has broadly organized its activities under the following divisions – Academics, Research, Training and Lifelong Learning and Techno Centre. Academic Operations of the University commenced with effect from academic year 2014-15.

At present the University has 8 Faculties and School of Social Sciences comprising 37 Academic Departments offering Academic Doctoral level programmes, 23 Undergraduate and 47 Postgraduate courses . 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 and International Collaborations and Partnership Management programme (ICPM) and Directorate for Student Affairs.

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

2. History and Background of Sponsoring Body - 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.

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, Mission and Objectives

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

Envisaged Outcomes of the University
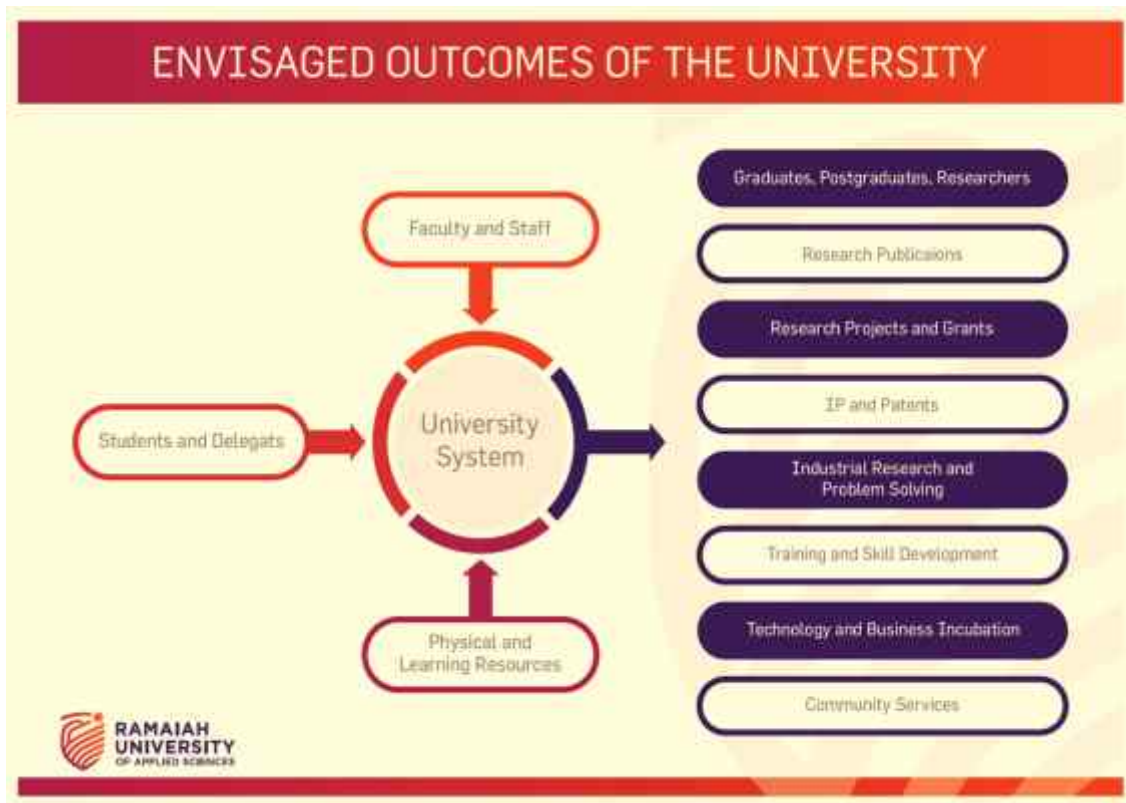
University Model

The following diagram depicts the University Model

RAMAIAH UNIVERSITY OF APPLIED SCIENCES

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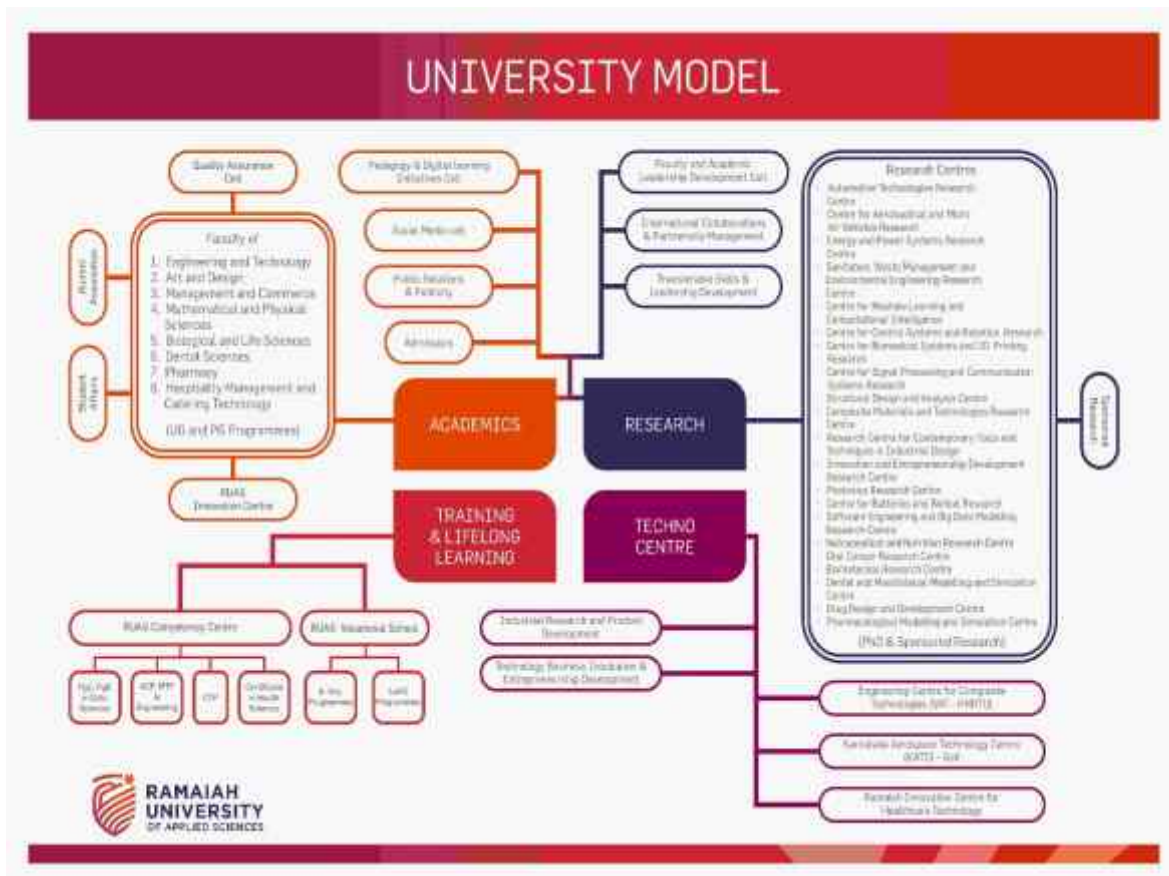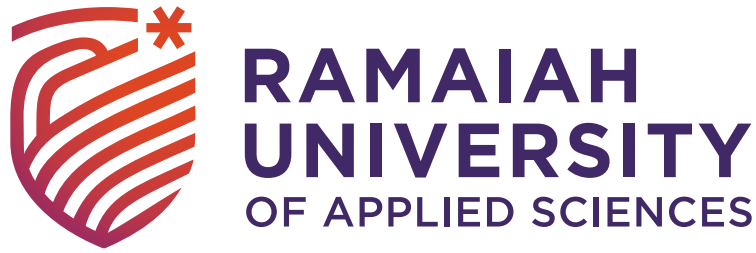
Education with Devotion (Bhakthi) is a process of Perfection for larger good

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.

The swan is encased in a shield which is seen as a symbol of trust and legacy, qualities one has grown to associate with the Ramaiah Group.

The year 2020-2021 has been a year of achievement, reflection and forward thinking at the Ramaiah University of Applied Sciences, Bengaluru. Our achievements would not have been possible without the expertise, commitment, professionalism, hard work and passion of your staff. The COVID-19 pandemic has exposed the university to myriad challenges and barriers. Such unprecedented events saw the University to adapt to the new normal, moving seamlessly from March 2020 onwards to remote working and remote learning in a synchronous and asynchronous mode. The COVID-19 pandemic has upended life throughout the country and all around the globe. It has revealed once again the importance of a leading a university and the need for educated creative and talented people to rise to confront a major societal problem.

The National Education Policy-2020, provides an opportunity to strengthen our resolve for innovation and change. The University in the last year has emerged into a large multidisciplinary higher education institution with academic programmes in engineering, health, social, management, pharmacy, and legal sciences. Aligned to the major recommendations of the NEP-2020, the University continues to engage in significant reforms in its teaching, research, and extension activities. The University's student-centric, applied, and holistic approach to education called for a paradigm shift in designing the curriculum, to help prepare students for impactful lives and careers in the 21st century. A balanced leadership team, talented and multi-faceted faculty and staff and a bright, agile, and diverse set of students are well positioned to drive the University's culture.

With an emphasis on innovation, excellence, ethics, inclusivity, and accountability, I am happy to see that the Ramaiah University of Applied Sciences is well into its sixth year of operations. The University was launched with the intention of embracing global educational practices into our existing higher education system to bring it on par with higher education system in vogue in developed countries. Initially, I was rather skeptical about the acceptance of the system of education that had been designed by our faculty members who had gained several years of experience in imparting education using the practices adopted in developed countries particularly in Europe.

I would like to convey my thanks to our students and their parents for wholeheartedly embracing the new system. At the end of each academic year, I have witnessed the positive energy amongst the students, parents and staff and, on enquiry, students have expressed their opinion that although the system demands enormous efforts the learning experience made it worthwhile.

I wish great success to all the members of the University in their endeavor to achieve excellence in higher education.

Dr. M. R. Jayaram

Chancellor

With a sense of satisfaction, I am pleased to report that despite the pandemonium caused by the Pandemic, RUAS has tried all the avenues and resources at its disposal to ensure that the academic activities and the operational aspects of the University are as good as it can be, under the prevalent extraordinary scenario. For mankind, the year 2020 has been an era of great challenges and uncertainties of unimaginable proportions, but it has also brought the best of humanity to quell hardships imposed on mankind. It has taught us the magical and mystical power of our tenacity and resilience to overcome any problem even perceived to be insurmountable. COVID 19 has forced us to adopt to the New Normal to move on and look forward.

After having been through crisis of COVID 19, the need of the hour continues to be the rejuvenation, reinforcement and re-emergence of our hope to move forward with the vision and mission of future career and life. RUAS has just completed its seventh academic year. While still adhering to the norms and protocols of MHA, State Government of Karnataka, UGC and other regulatory bodies, RUAS has ensured the conduct of the online classes, assessment of assignments, semester end exams as well as summer semester exams of the previous academic year (2019-20) in an amicable manner to minimize the hardships to the students. The faculty members from Health sciences supported the hospital staff in managing various aspects of COVID-19 pandemic pertinent to managing patient inflow, communication to patients and their families, and organizing vaccination drives. Through all these collective efforts, the golden statement "Tough Times will not Last but Tough People Do" and its indomitable spirit of never give up have prevailed.

The University received the approval from the Bar Council of India for the commencement of B.Sc. LLB programme. The University also got the approval from AICTE for the B.Tech., M. Tech., B.H.M., M.B.A., B. Pharm, M. Pharm and Pharm.D. programmes. RUAS also introduced new B.Tech. programmes in the emerging domains of Artificial Intelligence and Machine Learning, Mathematics and Computing as well as in Robotics. In addition, the University also launched the new Post Graduate Programme M.A. (Public Policy). The fifth convocation held in February 2021 was also a landmark in

view of the first batch students of Pharm D. programme having been conferred the degrees. In the last convocation 603 Undergraduate students, 428 Postgraduate students and 16 Doctoral students were awarded the degrees. The faculty members and the students of RUAS have published 336 research papers in Journals and conferences. The University has been granted 6 Indian patents and 20 Indian patent applications have also been filed.

The University organized a number of Workshops/Seminars/Conventions/Conferences encompassing the evolving topics of relevance to Higher Education, Scientific and Technological advancement, and Societal needs. In January of 2021, the University celebrated the Birth Centenary of Professor Satish Dhawan. A two-day workshop on "Quantum Computation and Quantum ML'' was conducted in January 2021.A new initiative of "National Management Day" was also launched in February 2021. The students of RUAS have continued to excel in various extracurricular activities by emerging victorious in technical competition, Design and Innovation Clinic Competition.

Remembering the well said saying "Past is an invaluable teacher" and complementing it with amicable attitude, courage to inculcate unbiased introspection, it is the University's firm belief that greater involvement with a deeper commitment will eventually lead to more pragmatic and viable guidance to foresee the future as an energiser rather than as an enigma. To conclude on a note of promise and pride, assurance and action, confidence and conviction, I reiterate that with its continued focus on Outcome based Student Centric education and emphasis on Applied Learning, RUAS through its journey of ***"Igniting the Minds"*** continues to instill in both the fraternities of staff and student a sense of purpose, confidence, discipline and devotion.

Prof. Govind R. Kadambi

Acting Vice Chancellor

In 2016, the University Grants commission (UGC) has approved and granted 2f status to 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 23236551, 23252701, 23237721, 23234116

www.ugc.ac.in

UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002

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

Speed Post

July, 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 जफर मार्ग, 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.

2 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

ISSUED

OIC

24/8/2021

Ranked 11th in Dental Category by NIRF India Rankings 2020

Ranked 52nd in Pharmacy Category by NIRF India Rankings 2020

M. S. Ramaiah University of Applied Sciences is categorized as 'Band B' institution (rank between 26-50) in category of 'University and deemed to be University (Private-Self-Financed)' in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2020 announced on August 2020

3. 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)	Chairperson	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 by Sponsoring Body	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 DRDO Scientist	Appointed Member	Chancellor
8	Dr. R. Natarajan Former Director, IIT Madras Former Chairman, AICTE, New Delhi	Appointed Member	Chancellor
9	Prof. Govind R. Kadambi, Acting Vice Chancellor & Pro Vice Chancellor - Research	Ex-Officio Member	Chancellor
10	Dr. Sundaresh D.C . Pro Vice Chancellor - Health Sciences	Ex-Officio Non-Voting Member	Chancellor
11	Prof. M. Sai Baba, Registrar	Ex-Officio Non-Voting Member	Chancellor
12	Prof. K.R.S. Murthy Former Director IIMB	Appointed Member	Govt. of Karnataka
13	UGC Nominee	Appointed Member	UGC
14	Mr. M.R. Sreenivasa Murthy CE , GEF (M)	Permanent Invitee	Sponsoring Body
15	Dr. P. N. Razdan ,Group Advisor A & A	Permanent Invitee	Sponsoring Body

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. Govind R. Kadambi Acting 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	Chairperson	Chancellor
5	Dr. Sundaresh D.C Pro Vice Chancellor - Health Sciences	Ex-Officio Member	Chancellor
6	Prof. M. Sai Baba Registrar	Ex-Officio Member & Secretary	Chancellor
7	Dr. Raghavendra V Kulkarni Director - Academics	Ex-Officio Member	Chancellor
8	Dr. H. M. Rajashekara Swamy Dean(I/C)	Appointed Members	Vice Chancellor
9	Dr. B.V. Sreenivasa Murthy Dean-FDS	Appointed Members	Vice Chancellor
10	Dr. S. Bharath Dean (I/C) - FPH	Appointed Members	Vice Chancellor
11	Prof. Abby Mathew Dean - FHMCT	Appointed Members	Vice Chancellor
12	Mr. Lohith H S Associate Dean - FAD	Appointed Members	Vice Chancellor
13	Dr. H. S. Srivatsa Associate Dean- FMC	Appointed Members	Vice Chancellor
14	Dr. P. N. Razdan Group Advisor A & A	Invitee	Sponsoring Body

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 under graduate 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. Govind R. Kadambi	Acting Vice Chancellor & Pro Vice Chancellor - Research	Chairperson
2	Dr. Sundaresh D. C.	Pro Vice Chancellor - Health Sciences	Member
3	Prof. Anindya Sen	Pro Vice Chancellor - Social Sciences	Member
4	Prof. M. Sai Baba	Registrar	Member
5	Prof. Raghavendra V. Kulkarni	Director of Academics	Member Secretary
6	Shri. Manak Singhi	Director of School of Social Sciences	Member
7	Prof. B.V. Sreenivasa Murthy	Dean-FDS	Member
8	Prof. H.M. Rajashekara Swamy	Dean (I/C)-FET	Member
9	Prof. Abby Mathew	Dean-FHMCT	Member
10	Prof. Deepak. A. S	Dean-FMPS	Member
11	Prof. H. S. Srivatsa	Associate Dean-FMC	Member
12	Prof. Bharath S	Dean(I/C)-FPH	Member
13	Prof. Krishnamurthy Jayanna	Dean - FLAHS	Member
14	Mr. H. S. Lohit	Associate Dean - FAD	Member
15	Prof. B. Rajeev	Professor, Department of Statistics and Mathematics, Indian Statistical Institute, Bengaluru	Member
16	Prof. A. K. Nandakumaran	Professor, Department of Mathematics, Indian Institute of Science, Bengaluru	Member
17	Prof. Raju K. George	Dean of Research and Development, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala	Member
18	Prof. Laxminarayan L. Raja	Professor, Department of Aerospace Engineering and Engineering Mechanics, University of Texas at Austin, USA	Member

19	Prof. Murugesu Sivapalan	Professor, Department of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, USA	Member
20	Prof. N. Meena	Professor, Department of Conservative Dentistry and Endodontics, V. S. Dental College, Bengaluru	Member
21	Prof. B.G. Prasad	Professor, Department of Computer Science, BMS College of Engineering, Bull Temple Road, Basavanagudi, Bengaluru	Member
22	Prof. Ravishankar Sankaranarayanan	Professor, Department of Electronics and Communication Engineering, R V College of Engineering, Bengaluru	Member
23	Prof. Jaykumar V	Professor and Chairperson, BBA-Hospitality and Event Management, Department of Management Studies, PES University, Bengaluru	Member
24	Prof. M. H. Bala Subrahmanya	Professor, Department of Management Studies, Indian Institute of Science, Bengaluru	Member
25	Prof. P. N. Sanjay Pai	Professor & Head, Dept. of Pharmaceutical Chemistry, Goa College of Pharmacy, Goa	Member
26	Prof. H. L. Bhat	Retried Professor, Department of Physics, Indian Institute of Science, Bengaluru	Member

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. Govind R. Kadambi	Acting Vice Chancellor & Pro Vice Chancellor - Research	Chairperson Member- Secretary
2	Dr. Sundaresh D. C.	Pro-Vice Chancellor - Health Sciences	Member
3	Dr. Anindya Sen	Pro-Vice Chancellor - Social Sciences	Member
4	Prof. M. Sai Baba	Registrar	Member
5	Mr. N.C. Shekar	Chief Finance Officer	Member
6	Dr. Raghavendra V. Kulkarni	Director of Academics	Member
7	Dr. H.M. Rajashekara Swamy	Dean (I/C)-FET	Member
8	Prof. B.V. Sreenivasa Murthy	Dean-FDS	Member
9	Dr. S. Bharath	Dean (I/C)– FPH	Member
10	Prof. J. N. Reddy	Distinguished Professor, Texas A&M University, USA	Member
11	Prof. B.N. Raghunandan	Retd. Scientist, IISC - Bangalore	Member
12	Prof. V. Prakash	Retd. Distinguished Scientist, CSIR-India	Member
13	Prof. A. Anantharaman	Visiting Professor, Harvard Business School - Strategy & General Management	Member
14	Dr. N. Venkateswaran	Formerly with, ABB Global Industries & Services Pvt. Ltd.	Member
15	Dr. S. Srinivasa Rao	CVRDE- Chennai	Member
16	Dr. M.S. Muthumurugan	Sri Ramachandra University, Porur - Chennai	Member
17	Dr. T. Thangamariappan	Biocon Bristol Myers Squibb R & D Centre, Bangalore	Member
18	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. Govind R. Kadambi	Acting Vice Chancellor & Pro Vice Chancellor - Research	Chairperson
2	Prof. M. Sai Baba	Registrar	Member
3	Dr. Vibha Shetty	Director- DTLL	Member-Secretary
4	Dr. H.M. Rajashekar Swamy	Dean I/C - 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. H. S. Srivatsa	Assoc. Dean- FMC	Member
10	Prof. Deepak A. S.	Dean- FMPS	Member
11	Mr. Jyothi Shankar	Director- TSLD	Member
12	Mr. M Lokraj	Secretary General I/C FKCCI, B'lore	Member
13	Mr Gaurav Gupta, IAS, Commissioner	Dept of Employment and Training, GoK	Member
14	Dr. Rajkumar Alle	Karnataka State Dental Council	Member
15	Mr. Hareesh Hegde	Former President, Peenya Industries Association, KASSIA	Member
16	Mrs. Latha Girish	Former President, Peenya Industries Association	Member

17	CA Vishnu Moorthi	Sr. Partner, Vishnu Daya & Co, Chartered Accountants	Member
18	Mr. Murali Krishnan	Director, HR & Business dev, Taj West End	Member
19	Mrs. Uma Reddy	Former president CLIK	Member
20	Mr. Madhusudhan	Gen Manager, Methods and Plant Engineering, Ace Designers.	Member
21	Mr. Jays Chandy	HR consultant	Member
22	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	Appointed by
1	Mr. M.R. Sreenivasa Murthy, CE,GEF (M)	Chairperson Ex-Officio (Nominated) Member	Chancellor
2	Prof. Govind R. Kadambi , Acting Vice Chancellor & PVC - Research	Ex-Officio Member	Chancellor
3	Mr. B.N. Subramanya , Advisor (GEF(M))	Nominated Member	Chancellor
4	Mr. Venugopala Sastry, CFO (GEF-M))	Nominated Member	Chancellor
5	Prof. M. Sai Baba, Registrar	Ex-Officio Member & Secretary	Chancellor
6	Mr. N. C. Shekar, C FO, RUAS	Member	Chancellor

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:

1. Justice (Retd.) S. R. Venkatesh Murthy
2. CA Jairam E.S.
3. Principal Secretary, Higher Education Department, Govt. of Karnataka
4. Principal Secretary, Medical Education, Govt. of Karnataka
5. Prof. Govind R. Kadambi, Acting Vice Chancellor, RUAS
6. Mr. N.C. Shekar, CFO, RUAS

The chart below depicts the different Statutory Governing Bodies of the University as also the management and reporting hierarchy.
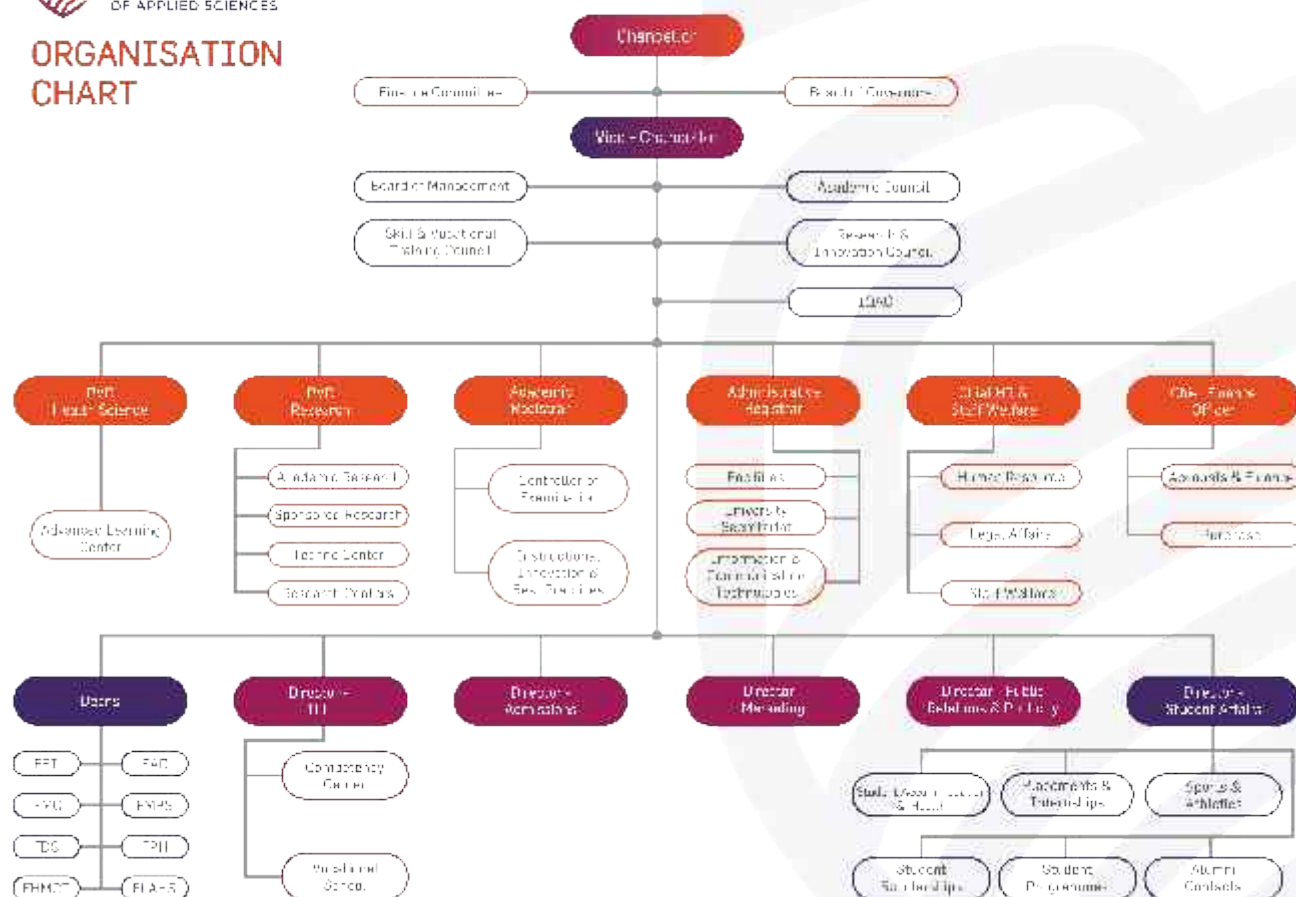
4. Academics

The Academic division of the University is responsible for offering Undergraduate, Postgraduate and Doctoral Programmes of the University and awarding corresponding degrees to the students.

Faculties of the University

There are 8 Faculties and School of Social Sciences offering various UG, PG and Doctoral Programmes

Sl. No.	Faculty	Dean / Associate Dean
1	Faculty of Engineering and Technology(FET)	Dr. H.M. Rajashekara Swamy **Dean(I/C)**
2	Faculty of Art and Design (FAD)	Mr. H. S. Lohit **Associate Dean**
3	Faculty of Management and Commerce(FMC)	Dr. H. S. Srivatsa **Associate Dean**
4	Faculty of Mathematical And Physical Sciences(FMPS)	Dr. Deepak A. S. **Dean**
5	Faculty of Dental Science(FDS)	Dr. B. V. Sreenivasa Murthy **Dean**
6	Faculty of Pharmacy(FPH)	Dr. S. Bharath **Dean(I/C)**
7	Faculty of Hospitality Management And Catering Technology(FHMCT)	Prof. Abby Mathew **Dean**
8	Faculty of Life And Allied Health Sciences (FLAHS)	Dr. Krishnamurthy Jayanna **Dean**
9	School of Social Sciences	-

Directorates of the University

The University has established 9 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	Mr. Narashiman **Senior Manager**
2	Student Affairs	Dr. Reema Chaudhury **Director**
3	Training and Lifelong Learning (DTLL)	Dr. Vibha Shetty **Director (I/C)**
4	Sponsored Research (DSR)	Dr. K. M. Sharath Kumar **Director**
5	Transferable Skills and Leadership Development (DTSLD)	Mr. Jyothi Shankar **Director**
6	Techno Centre	Dr. Govind R. Kadambi
7	International Collaborations & Partnership Management	Ms. Lyubov Kulikovich **Deputy Director**
8	Dental Hospital	Dr. Prakashchandra **Director**
9	Public Relations and Publicity	Mr. Gautham U. G. **Deputy Director**

Academic Departments of the University

There are 37 Departments through which various academic courses of the University are offered. The following table shows the different departments of respective Faculties.

Sl. No.	Faculty	Department
1	FET	Automotive and Aeronautical Engineering
		Civil engineering
		Computer Science and Engineering
		Electrical Engineering
		Electronics and Communication Engineering
		Mechanical and Manufacturing Engineering
2	FAD	Product Design
		Fashion Design
3	FMC	Management Studies
		Commerce
		Hospital Administration
4	FHMCT	Management Studies - Hospitality
		Food & Beverage Service
		Front Office
		Food and Beverage Production
		Housekeeping
5	FPH	Pharmacognosy
		Pharmaceutical Chemistry
		Pharmaceutics
		Pharmacology
		Pharmacy Practice
6	FDS	Oral Medicine and Radiology
		Periodontics
		Oral & Maxillofacial Surgery
		Conservative Dentistry and Endodontics
		Orthodontics
		Oral Pathology and Microbiology
		Public Health Dentistry
		Pedodontics and Preventive Dentistry
		Prosthodontics
7	FMPS	Physics
		Chemistry
		Mathematics and Statistics
8	FLAHS	Biotechnology
		Food Technology
		Allied Health Sciences
9	Social Sciences	Public Policy

Other Departments / Cells of University

Sl. No	Centre of the University	Head/Chief
1	Human Resource Department	Ms Sindhu Ramu Senior Manager - HR & Staff Welfare
2	Accounts Department	Mr S. Shanthamurthy Manager
3	RUAS Innovation Centre	Dr C. Narendra Babu Head
4	University Secretariat	Mr Pavan S Yadav Executive Assistant
5	University Data Centre	Mr Goutham Nagaraja Manager
6	ICT Department	Mr T. R. Nagesh Chief Manager - ICT
8	Sports - Peenya Campus	Mr Kumar G.M. Manager-Sports
9	Sports - Gnanagangothri Campus	Mr Dayananda D.B. Manager-Sports
10	Alumni Association	Mr H.S. Srikishen Head – Student Affairs

Sl. No	Cells of the University	Head/Chief
1	Quality Assurance Cell	Mr Parameshwar S. Chief - Quality Assurance Cell
2	Pedagogy and Digital Initiative Cell	Ms Jayanthi Chatterjee Head - PDLI Cell
3	Faculty and Academic Leadership Development Cell	Dr Sandhya Iya Head - FALD Cell
4	Technology Business Incubation and Entrepreneurship Development Cell	Prof Govind R. Kadambi Pro Vice Chancellor - Research
5	Social Media Cell	Mr Pavan S. Yadav Associate Head

Quality Assurance Cell

University had established Quality Assurance Cell (QAC) from the inception from the year 2014.

Quality Assurance Cell ensures the following in the process of Academic Delivery and Assessment:

Formation of Internal Quality Assurance Cell (IQAC)

- As per the office order issued by the Hon'ble Vice Chancellor in Sep' 19, IQAC was formed in-line with guidelines provided by NAAC. There was a revision in the constitution members in the month of May' 20.

Role of IQAC:

It shall evolve mechanisms and procedures for

- Ensuring timely and efficient monitoring of Quality Enhancement (QE) activities in various Faculties of the University
- Channelizing and integration of modern methods of teaching and learning
- Credibility of assessment and evaluation process
- Ensuring the adequacy, maintenance and proper allocation of support structure and services
- Sharing of research findings and networking with other institutions in India and abroad

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:

- Develop and monitor the application of quality benchmarks / parameters for the various academic and administrative activities of the University.
- Facilitating the creation of a learner-centric environment conductive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- Arrangement for feedback responses from students, parents, industry/employer and other stakeholders on quality-related institutional processes
- Dissemination of information on the various quality parameters of teaching and research and education etc.,
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
- Documentation of the various programmes / activities of the HEI, leading to quality improvement.
- Acting as a nodal agency of the University for coordinating with all quality-related activities, including adoption and dissemination of good practices.
- Development and maintenance of Institutional database through MIS for the purpose of maintaining, enhancing the institutional quality.
- Development of Quality Culture in the University.

- 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).
- Bi-annual development of Quality Radars (QRs) and Ranking of Integral Units i.e. Faculty of the University based on the AQAR.

Activities initiated by IQAC during last academic year are as follows:

1) Dr. P.N. Razdan, Principal Advisor, Quality Assurance & Excellence Cell, GEF (M) conducted a session on NAAC preparedness and requirements addressing all criteria leaders, Directors and functional Heads on 27th May 2020.

2) Orientation on new version of "Accreditation Software and Assessment tool" by Mr. Suman from TimesPro group on 23rd and 24th Nov' 2020

3) New format of Feedback Forms format approved by Dr. P.N. Razdan with relevant parameters to be obtained from all the stakeholders designed as per NAAC requirement and other accreditation bodies/ranking agencies.

4) A trial version of student curriculum design and development feedback, course feedback and exit feedback was conducted on RUAS portal, sample of results obtained for all the format attached .

5) Implementation of Mentor-Mentee process on RUAS portal regarding orientation of Head-Mentors nominated from respective faculty to understand allocation of mentees to mentors, schedule meetings, capture minutes and present for further action (if necessary) and a sample of reports attached .

6) IQAC Team with guidance from Leadership management and allotted criteria leaders of NAAC, Directors and other Functional heads are progressing in NAAC SSR preparedness.

7) University will be applying for QS-I-GAUGE Audit and Advanced E-Lead Certificate in event of both getting expiry in June 2021.

Proctoral System

The University has implemented the Proctoral System to guide the students periodically on registration for credits, their studies, review of attendance and performance, reporting the attendance and performance to the parents.

The Consolidated Proctoral System faculty wise is shown in Annexure 1

UG and PG Programmes Offered

There are 38 programmes offered by various Faculties of the University. The following table shows the various programmes offered by respective Faculties.

Sl. No.	Faculty	Programmes Offered
1	FET	Bachelor of Technology (B. Tech.)
		Master of Technology (M. Tech.)
2	FAD	Bachelor of Design (B. Des.)
		Master of Design (M. Des.)
3	FMC	B.Com (Hons) - Accounting & Finance
		B B A
		Master of Commerce (M. Com.)
		MBA In Financial Management
		MBA in Human Resource Management
		MBA In Marketing Management
		MBA in Operations Management
		MBA in Small Business and Entrepreneurship
		MBA in Banking and Financial Services
		MBA in Business Analytics
		MBA in Hospitality Management
		MBA in Pharma Business Management
4	FHMCT	Bachelor of Hotel Management (BHM)
5	FPH	Bachelor of Pharmacy (B. Pharm.)
		Doctor of Pharmacy (Pharm. D.)
		Master of Pharmacy (M. Pharm.)
6	FDS	Bachelor of Dental Surgery (B.D.S.)
		Master of Dental Surgery (M.D.S.)
7	FMPS	Master of Science (M. Sc.) - Physics, Chemistry, Mathematics
		B.Sc.(Hons)-Physics, Chemistry, Mathematics & Statistics/Electronics/Computer Science
8	FLAHS	B.Sc. (Hons) Bio Technology (BT)
		B.Sc. (Hons) Food Processing and Technology (FPT)
		B.Sc. (Hons) - Dialysis Therapy Technology, (DTT)
		B.Sc. (Hons) - Operation Theatre Technology (OTT)
		B.Sc. (Hons) - Medical Radiology & Imaging Technology (MRIT)
		B.Sc. (Hons) – Cardiac Care Technology (CCT)
		B.Sc. (Hons) - Optometry
		Master of Hospital Administration (MHA)
		M.Sc., Bio-Technology
		M.Sc., Food Science & Technology
		M.Sc., Molecular & Cellular Biology
		Master of Public Health (MPH)

9	School of Social Sciences	M A in Public Policy		
Doctoral Programme leading to Ph. D. degree		All Faculties offer Doctoral Programme		

Programmes, Courses, Student Intake and Admitted

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.	Aerospace Engineering	60	49
		Automotive Engineering	60	7
		Civil Engineering	120	25
		Computer Science and Engineering	180	167
		Electrical and Electronics Engineering	120	30
		Electronic and Communication Engineering	120	76
		Mechanical Engineering	120	19
		Artificial Intelligence & Machine Learning	60	57
		Robotics	60	30
		Information Science & Engineering	60	38
		Mathematics & Computing	60	20
Art and Design	B.Des.	Product Design	60	32
		Fashion Design	60	8
Management and Commerce	B.Com(Hons)	Accounting & Finance	60	60
	BBA	Bachelor of Business Administration	120	120
Pharmacy	B. Pharm.	Bachelor of Pharmacy	100	100
	Pharm.D.	Doctor of Pharmacy	30	30
Dental Sciences	B.D.S	Bachelor of Dental Surgery	60	60
Mathematical and Physical Sciences	B.Sc.(Hons)	Physics, Chemistry, Mathematics, Statistics, Computer Science, Electronics	120	61
Hospitality Management and Catering Technology	BHM	Bachelor of Hotel Management	120	83
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	105

Faculty	Programmes	Courses	Intake	Admitted
Engineering and Technology	M.Tech.	Data Science and Engineering	18	8
		Manufacturing Technologies and Engineering Management	18	10
		VLSI and Nanotechnology	18	11
		Power Electronics and Drives	18	4
		Aerospace Engineering	18	11
		Automotive Engineering	18	5
		Structural Engineering	24	12
		Construction Engineering and Management	24	18
		Environmental Engineering and Management	18	10
		Transportation Engineering	18	9
		Artificial Intelligence & Machine Learning	24	12
		Advanced Machinery Design	18	4
		Robotic Engineering	18	7
Art and Design	M.Des.	Product Design	24	11
		Fashion Design	24	4
Management and Commerce	MBA	Marketing Management	240	203
		Human Resources Management		
		Financial Management		
		Operations Management		
		Small Business and Entrepreneurship		
		Hospitality Management (HM)		
		MBA in Pharma Business Management (PBM)		
	M.Com.	Accounting and Taxation	30	12
		Banking and Finance		
Pharmacy	M. Pharm.	Pharmacognosy	15	0
		Pharmaceutical Chemistry	15	14
		Pharmaceutics	15	13
		Pharmacology	15	15
		Pharmacy Practice	09	4
Dental Sciences	M.D.S	Orthodontics & Dentofacial Orthopaedics	5	5
		Conservative Dentistry & Endodontics	5	5
		Prosthodontics, Crown and Bridge	5	5
		Pedodontics and Preventive Dentistry	6	6
		Oral & Maxillofacial Surgery	6	6
		Oral Medicine & Radiology	3	3
		Public Health Dentistry	2	2
		Oral Pathology and Microbiology	3	0
		Periodontics	5	5

Programmes, Courses, Student Intake and Admitted

Mathematical and Physical Sciences	M.Sc.	Mathematics	30	9
		Chemistry	30	30
		Physics	30	18
Life and Allied Health Sciences	M H A	Master of Hospital Administration	30	28
	M.Sc.	Bio-Technology	30	30
	M.Sc.	Food Science & Technology	30	30
	M.Sc.	Molecular & Cellular Biology	30	28
	M P H	Master of Public Health	30	22
School of Social Sciences	M A (P P)	M A (Public Policy)	30	6

User-oriented Postgraduate Courses (UoPC)

The Board of Management, after obtaining the consent of the Board of Governors, is empowered to formulate and offer exclusive courses through the University's Facults to cater to the specific needs of Industry, Businesses and Corporations.

The candidates sponsored by such businesses/corporations shall meet the eligibility requirements for the M.Tech. in Engineering and Technology Management Programme. These students will also follow the University's Academic Regulations, with such exceptions as may be approved by the Academic council, for the Postgraduate Programme leading to M. Tech. Degree.

Teaching and Learning Material

Each and every student of the University will have the privilege to access the teaching material available in PowerPoint form from the University I-Portal. The students can also access E-Books, E-Journals through I-Portal.

Staff Student Consultative Committees (SSCM)

The University places great emphasis on continued up gradation of its Teaching and Learning resources, infrastructure, quality of curriculum delivery and the overall student living experience on its campus. With this in view, a Staff-Student Consultative Committee has been established which in turn has constituted sub committees for every course offered by the different Faculty. The committee comprises the Dean, Academic Registrar (Faculty), Administrative Registrar (Faculty), HODs, Class Representatives and other member(s) invited by the Dean. Committee meetings are scheduled during the middle of each semester. During the committee meetings the following issues are discussed and suitable action plans are initiated:

a. Student Academic issues
I. Curriculum
II. Course Delivery
III. Test and Assignment and their Assessment

b. Student Teaching and Learning Support
I. Programme Operations
II. Test and Assignment and their Assessment
III. Library
IV. ICT
V. Laboratories & Workshops

c. Student Amenities
I. Hostel & Cafeteria
II. Sports & Recreation

d. Any other matter with the permission of the Chair
A sample of the SSCM Minutes of Meeting is attached in Annexure 2

Student Feedback System

The Quality Assurance Cell collects student feedback forms from Undergraduate students twice in a semester and from postgraduate students for every Module and perform Feedback Analysis for initiating remedial actions.

UG & PG Programme
Format of the feedback form

The format for collecting feedback from students is as shown in Annexure 3

Feedback frequency
- UG Programmes (Semester scheme): Twice in a semester.
- PG Programmes (Module scheme): At the end of each Module.
  Feedback Analysis Report sample

The Feedbacks collected from the students are further analyzed and a sample is attached as Annexure 4

Action on student feedback
1. Faculty members who have scores below average are apprised by the respective deans and are advised to improve their academic delivery.

2. Faculty members are shown the student Feedback forms so that they can analyze and develop methods to improve their academic delivery.

3. The University consider student feedback scores for the annual appraisal of the faculty members.

Subject Assessment Board (SAB)
The Subject Assessment Board is responsible for reviewing the standard of assessment and its comparability across subjects. The SAB is scheduled to meet at the end of each semester to review the assessed work for each subject. The Board objectively examines the subject delivery, examination and evaluation processes to ensure academic standards based on data compiled for the semester are met. The Subject Assessment Board is tasked with confirming the subject or module marks after completing its review. Once the marks have been confirmed by SAB the marks cannot be subsequently altered by any other board, unless an error in transcription or an omission is discovered. SAB meetings are chaired by the Dean of the concerned Faculty. The Heads of Departments, Internal and External Examiners and an Observer nominated by the Vice Chancellor are the other members of SAB. SABs have been constituted by the University for the academic year 2020-21.

Dates of the SAB Meeting held for UG Programme

Programmes	Date
BHM	19th August 2020 , (Even Sem) 12th April 2021 (Odd Sem)
B. Pharm and Pharm. D	
B. Tech.	18th August 2020 20th November 2020 (Summer)
BBA, B. Com(Hons)	27th August 2020 11th Dec 2020
B.Sc. (Hons) P/C/M/S/CS/E	23rd November 2020
B. Des	25th August 2020(Batch 2019, 2018 & 2017) 8th September 2020(Batch 2016)
B.Sc. (Hons) FPT, B.Sc. (Hons) BT, B.Sc.(Hons) MRIT, DTT, OTT, CCT and Optometry	24th August 2020 24th May 2021 17th November 2020

Dates of the SAB Meeting held for PG Programme

Programmes	Date
MDS	28th July 20 2nd July 21
M. Tech.	25th September 2020 11th February 2021
M.Sc. (Physics/Chemistry/Mathematics)	20th May 2020 29th December 2020
MBA, M.Com,	5th September 2020 25th May 2021
MBA HM	9th December 2020
M. Pharm	
M. Design	18th March 2020(Batch PT & FT 2018, FT 2019) 25th August 2020(Batch PT & FT 2019)
M.Sc. Biotechnology, M.Sc. Molecular and Cellular Biology, M.Sc. Food Science and Technology & MHA , MPH	24th August 2020 24th May 2021

Programme Assessment Board (PAB)

The Programme Assessment Board is responsible to take decisions on progression and awards for all students registered for the named award for which the Board is responsible. In reaching a decision on progression or an award, the Board must consider the overall performance of the student. The overall performance of the student is made up of the subject marks which have been confirmed by the Subject Assessment Board. PAB meetings are chaired by the Dean of the concerned Faculty. The Heads of Departments, Internal and External Examiners and an observer nominated by the Vice Chancellor are the other members of PAB. Programme Assessment Boards have been constituted for academic year 2020-21.

Student Performance

Overall Student Performance UG and PG that was discussed in PAB for the year 2020-21 is as shown in Annexure 5

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. and M.S. (By Research) degree either through the full time or part time route. Research Programmes are offered by the:

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

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

Center of Excellence

1. AL, ML and Autonomy
2. Computational Mechanics

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

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 Mathematicaland Physical Sciences	Chemistry, Polymer Composites, Nano composites, Wastewater Treatment, Medicinal Chemistry, EnvironmentalChemistry, 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

Research Scholars and Broad Areas of Research

The Details of research scholars and their broad areas of research is as shown in Annexure 6

Sponsored Research

The University has actively worked with National and International organizations in government, public and private sectors to carry out 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 facultiesshas undertaken more than 120 funded research projects and have filed more than 170 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 and 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
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

Ongoing Projects:

Sl. No.	Project Name	Investigating Team	Funding Agency
1	Development of Heat Flux Sensor for Aero Gas Turbine Engine Combustors	Dr.Arulanantham Dr. H. K.Narahari Dr. S. Srikari Dr. S.Malathi	AR & DB-GTMAP
2	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
3	R&D Centre for Automated Farm Machinery Design and Development for Small Farmers	Dr. N.C.Mahendra Babu Dr.A.C.Lokesh Mr.Balappa.B.U	Karnataka Council for Technology Upgradation (KCTU)
4	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)
5	Multi Stream Automatic Speech Recognition for Children's Speech Using Artifical Bandwidth Extension Algorithms	Dr.Sunil Y.	Vision Group on Science and Technology (VGST)
6	Development of Li -Fi Enabled Indoor Data Connectivity	Dr. Punithavathi D.	Teachers Associateship for Research Excellence (TARE) - SERB
7	Assessment of Liquefaction Potential through Analytical Methods	Dr. Anitha Kumari S. D. Mr. Abhishek P	Atomic Energy Regulatory Board

8	Development of AI Based Predictive Algorithms for Bionic Hand Action Recognitions	Prof. Govind R. Kadambi Dr. Karthikeyan Mr. Parikshith	Life Science Research Board
9	Thermal Neutron Scattering for Materials of Interest in Nuclear Reactors	Dr. Ananth S. Iyengar	Board of Research in Nuclear Sciences
10	Aerodynamic Optimization of Fixed Wing at Transitional Low Reynolds Number for MAV Applications	Dr. Sivapragasam	AR & DB
11	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)
12	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)
13	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)
14	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
15	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)
16	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
17	Arecanut Research and Development Foundation	Prof. V. Madhavan Dr. R. Deveswaran Dr. R. Gowri Dr. K. Sundara Saravanan	Arecanut Research and Development Foundation
18	Development of a Reversible Cervix Plug as a Novel Next Generation Contraceptive Device	Dr. B.V. Basavaraj	Vision Group on Science and Technology(VGST)

19	Inorganic-Organic Hybrid Material for Anti - Counterfeiting Applications	Dr. Premkumar H. B.	Science and Engineering Research Board
20	Designing the New Potential Catalysts Using High throughput DFT and Machine Learning Techniques	Dr. Deepak Kumar	Science and Engineering Research Board
21	Design and Development of High Performance Magnetostrictive Cobalt Ferrite Thin Films for Sensors and Actuator Applications	Dr. Anantharamaiah P. N. Dr. Srikari S.	Science and Engineering Research Board
22	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)
23	Development of Tellurium -free, low -cost binary metal chalcogenides for thermoelectric applications	Dr. Manjunath S.O.	Teachers Associateship for Research Excellence (TARE) - SERB
24	Study of Ubiquitin Mediated Telomerase Regulation in Breast Cancer Stem Cells	Dr. Ekta Tripati	DBT-Ramalingaswami Re-entry fellowship
25	Technology Gap Analysis of Channapatna Toy Cluster	Dr. G. Devakumar Mrs. Savitha Kulkarni	TIFAC-MSME

Proposals/Concept Notes Submitted to Funding Agencies

There are 100 Proposals Submitted to different Funding Agencies across all the Faculty.

Publications, Patents, University Journal Publication and University Newsletter (This data includes work done by the institutions before being constituted as Faculties of the University)

Publications

Faculty	Scopus/Pub Med/Medline/Google Scholar Indexed Journals	Non Scopus / Non Pub Med / Non Medline Indexed Journals	National Conferences	International Conferences
FET	57	13	-	29
FAD	01	02	-	04
FMC	22	05	02	03
FMPS	47	02	02	17
FLAHS	19	02	-	-
FPH	36	06	02	16
FDS	70	17	-	03
FHMCT	-	04	-	03
Total	**252**	**51**	**06**	**75**

Total Publications: 384

Patents

Faculty	Number of Patents Filed	Number of Patent Awarded
FET	10	-
FAD	-	-
FMC	-	-
FMPS	-	-
FPH	06	04
FDS	02	02
FHMCT	-	-
FLAHS	02	-
Total	**20**	**06**

Details of patents is shown in Annexure – 7

University Publications – Journals

Name of the Journal	Volume and Issue No	Date of Publication
SASTech Journal	19(02) and 20 (01)	August 2020 and January 2021
Journal of Dental and Orofacial Research (JDOR)	16(02) and 17 (01)	August 2020 and January 2021
UAS - Journal of Management and Commerce (UAS-JMC)	06(02)	August 2020 and January 2021

6. University Staff

The main strength of Ramaiah University of Applied Sciences comes from its members of faculty. There are 409 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 as of the date of this report

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	14	2	12	9	63	30	10	6	146	51
2	Art and Design	0	0	0	1	10	3	3	3	20	1
3	Management and Commerce	4	0	2	1	4	10	0	1	22	8
4	Mathematical and Physical Sciences	2	2	4	0	22	5	1	5	41	35
5	Dental Sciences	10	9	7	15	5	11	5	4	66	8
6	Pharmacy	8	1	0	1	13	18	0	0	41	24
7	Hospitality Management and Catering Technology	2	1	0	3	8	11	1	0	26	2
8	Life and Allied Health Sciences	3	0	2	3	12	13	3	8	44	19
9	School of Social Sciences	1	0	1	0	0	0	0	0	2	2
	Total	**44**	**15**	**29**	**33**	**137**	**101**	**23**	**27**	**409**	**151**

Sl. No.	Non – Teaching Grand Total
Grand Total	**308**

Technical and Administrative Staff

The table below summarizes the number of Non-Teaching Staff as of the date of this report.

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.

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

HR and Staff Welfare Department	A separate HR and Staff Welfare Department has been created. Senior Manager – HR and Staff Welfare heads the department
Employment Regulations and Benefits	A HR manual has been created clearly explaining the contract terms and benefits and has been uploaded on the University Website
Salary Fixation	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
Higher Education Policy	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
Insurance Scheme	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
Committees	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

7. 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 also 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 co-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 both inside and outside the classroom. DSA strives to provide meaningful and memorable campus experience to students by providing relevant facilities, assistance and guiding them in building their careers. The activities and facilities in which the Directorate is actively involved are listed hereunder:

Activities:
- Student Placement & Internship
- Sports & Athletics
- Student Cultural Programs
- Student Clubs Activities
- Hostel Accommodation
- Scholarship
- Alumni Association
- Student Bus Pass Application Verification
- Service to Society & NSS
- Redressal of student grievances

Facilities:
- Health Care
- Mess & Cafeteria
- Student Health Insurance & Health Care
- Gyms
- Sports Centres
- Student Centres
- Basket Ball Court
- Music Room

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.

Placement Training Programs
Conducted session on "Introduction to Placements" to MBA (Finance and HR) students on 12th October, 2020.
Conducted session on "Introduction to Placements" to B Pharm students on 3rd November, 2020.
Conducted session on "Group Discussion" to MBA students on 5th November, 2020.
Conducted session on "Resume Writing" to MBA students on 12th November, 2020.
Conducted session on "Professional Etiquettes" to MBA students on 26th November, 2020.

Placements details for the Year 2020-21

Sl. No.	Faculty	Company	Students Selected
1	FET	Byju's	2 (B. Tech) 2020
2		White Hat Jr.	1 (B. Tech) 2020
3		Ajax Engineering	1 (B. Tech) 2020
4		Velectron Labs	1 (B. Tech) 2020
5		MindTree	17 (B. Tech) 2021
6		L & T	4 (B. Tech) 2021
7		AR Systems INC, Japan	1 (B. Tech) 2021
8		Digit Insurance	1 (B. Tech) 2021
9		Moody's Investor Services	3 (B. Tech) 2021
10		Maveric Systems	4 (B. Tech) 2021
11		TCS	13 (B. Tech) 2021
12		Canbright Co. Ltd. Osaka, Japan	1 (B. Tech) 2021
13		Public Affairs Center.	2 (M. Tech) 2021
14		Dynapac	1 (B. Tech) 2021
15		Amazon	18 (B. Tech) 2021
16		Cognizer	1 (B. Tech) Intern, 2021
17		Hashed IN	4 (B. Tech), 2021
18		Conga	8 (B. Tech), 2021
19		Unschool	3 (B. Tech), 2021
20		Techo Tree	6 (B. Tech), 2021
21	FPH	Go Digit Insurance	2 (B. Pharm), 2021
22		Vyuhgenics	4 (Pharm. D), 2021
23		Cactus Global	1 (Pharm D), 2021
24		Indegene	4 (Pharm. D), 2021
25	FMC	ABB	1 (MBA), 2020
26		Kahan Technologies	1 (MBA), 2020
27		Amazon	1 (MBA), 2020
28		JARO Education	2 (MBA), 2021
29		PWC	6 (MBA), 2021
30		Kofluence	2 (MBA), 2021
31		KDSS Technologies Pvt. Ltd	1 (MBA), 2021
32		Byju's	1 (MBA), 2021
33		CareerNet (Hire Pro).	1 (MBA), 2021
34		Moody's Investor Services	4 (MBA), 2021
35		HP Inc	1(BBA), 2021
36	FAD	Byju's	2 (B. Des), 2020
37		BiBox	1 (B. Des), 2021
Total			**131**

Workshop on Self-defence

A work shop on Self-defence was held on 28th and 29th Jan 2021 in GG Campus and Peenya Campus respectively. Ms. Manisha M K 3rd Don Black Belt Holder and Certified Karate Coach & Referee, Karate Association of India (KAI) and Alumni of RUAS was the Demonstrator. Dr. Reema Chaudhury, Director-Student Affairs welcomed Ms. Manisha. She demonstrated techniques on how to protect oneself in times of attack from strangers, to the girl students. 40 students participated in the program.

In Peenya Campus Ms. Manisha M K was welcomed by Mr. Kumar, Sports Manager. 36 girls attended the workshop.

Staff Cricket Tournament:
Inter Faculty Tennis Ball Cricket Tournament for Staff was held on 13th March, 2021 in MSR Sports ground. Nine teams participated in the tournament (FDS, FPH, FHMCT, FMC FLAHS, University House, Peenya Staff, Workshop, Techno Center and FMPS).

Sports Teams Selection Trials:
University sports team's selection trails for FET students from 16th to 20th March, 2021. Total 125 students participated in the trails for various sports out of which 50 students got selected for Volley ball (Men & Women), Cricket, Kabaddi, Kho-Kho, Football, Chess (Men & Women), Basket Ball (Men & Women) Table Tennis & Throw ball (Women).

Inter University/Collegiate Participation:
FDS Chess Team participated in online Chess Competition on 7th November, 2020 organized by JSS Academy of Higher Education and Research, Mysore. University Staff Cricket Team participated in Annual Staff Inter University Tournament of PES University, Bengaluru from 25th to 27th February, 2021.

Cross Country Competition:
Virtual Cross Country Competition for staff and students was organized in October, 2020 wherein participants had to download an App and complete 25 minutes of running recorded through the App and post screen shot of it. Cash prizes were given to the top 3 and E-certificates to all participants.

Result:

RUAS Run for Health

Virtual Run for Health was held between 15th and 21st December, 2020. Faculty of Dental Sciences Staff Team and Quaren team of FET students secured first place in the staff and student category.

RUAS Run for Health (Quaren Team)

Sl. No.	Name of participant	USN Number	KM covered
1	Mr. Joel Dsouza	19MCMSO47036	85.26
2	Mr. Manish Kumar	19MCMSO47049	92.38
3	Mr. Modi Kahan Sahjanand	19MCMSO47055	62.69
4	Mr. Puran Chand Malviya	19MCMS047079	104.53
Total distance covered			344.86 KM

Faculty of Dental Sciences Team

Sl. No.	Name of participant	Designation	KM covered
1	Mr. Shekhar	Office Assistant	141.72
2	Dr. Indiresha Narayana	Reader	154.05
3	Dr. Dhananjaya G	Professor	91.95
4	Dr. Vibha Shetty	Professor	23.50
Total distance covered			411.75 KM

International Day of Yoga 2020

International Day of Yoga was celebrated on digital platform in view of the Covid19 Pandemic. Two exciting events were held, one a virtual session on Yoga for Fitness by Shri Nagendra B N, Yoga Expert, on June 22nd, 2020 from 8.30 AM for which 43 participants had registered. The second event was Best Yoga Performer Competition.

Cultural events and competitions for students.
CONOCERSE 2020-21

The Directorate of Student Affairs conceived, designed and developed a unique University-orientation programme called Conocerse... for the new students. CONOCERSE 2020-2021 is a series of Creatively Fun Filled Opportunities for new students to meet their fellow classmates. *It is a Spanish word that means "To Meet". Two types of events were conducted. The first one was video recording events like 30 seconds Basketball Free Throw Shooting, 30 seconds Football Juggling, Short Movie Making and Public Speaking wherein students had to send the video footage of the activity they were participating in. The second one was the live events like Virtual Pet Show, Ethnic Diversity Celebration Day and Karaoke Singing Competition wherein students had to come online and display their talent. The judging for these events was done by experts in the field.

DIMDIMA 2020 – Virtual Karnataka Rajyotsava

Karnataka Rajyotsava or Karnataka State Formation Day which falls on 1st November is celebrated all across the State in a grand manner. The main objective is to showcase the rich culture and heritage of Karnataka State.

Every year, students of the University took the initiative to conduct it on a large scale in the campus. They have coined a name for the event – "DIMDIMA". Because of COVID19, students are unable to be on campus and missing campus life. To ensure continuity of the event and to bring cheer on the students face in these trying times, Directorate of Student Affairs took upon the responsibility to hold the celebrations online.

To match with the objective of the event, the following competitions were conducted which was open for all students of the University.

- Sketching/Painting/Drawing of Sculptures of Karnataka.
- Rangoli
- Poetry writing in Kannada
- Karaoke Singing of Kannada songs
- Dancing to Kannada tunes
- Ethnic Wear from across Karnataka

To judge the competitions, along with our esteemed faculty members, some of our Alumni were also invited. There was tremendous response from the students. Over 200+ students registered for participation and 70+ viewers logged in for the live virtual events. Cash prizes and E-certificates were given.

Talent Hunt:

Each student brings an ocean of hidden talent lying dormant within himself/herself. So, Directorate of Student Affairs organized four exciting virtual competition to showcase talents for the entire month of March 2021. However, the last date for submission of entries is extended till 10th of April 2021 because of requests from students who could not participate due to their ongoing examinations.

Online Photography Competition:

Directorate of Student Affairs organized an online photography competition on 20th Feb, 2021. Students were advised to send their photographs through email. The purpose of photography competition was to identify the best photography talent in the campus and provide them an opportunity to participate in other inter college events. The theme for the competition was Disappearing Professions. Total 33 students participated. The following entries were awarded with 1st, 2nd and 3rd Prize.

Inauguration of two NSS Units

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. Pranupa, 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 the presence of Dr. Tejaswini Ananthkumar, Managing Trustee & Chairperson, Adamya Chetana Foundation, Shri K V Khadri Narasimhaiah, Regional Director, Ministry of Youth Affairs & Sports, Govt. of India, Prof. Govind R Kadambi, Vice Chancellor (Acting) and Prof. M Saibaba, Registrar, RUAS. The inauguration program started with the welcome address given

by Dr. Reema Chaudhury, Chief Program Coordinator of NSS followed by a light lamping ceremony. Prof. M. Sai Baba, Register of RUAS gave the opening remarks of how social service/NSS activities helps in overall development in student's life. Guest of honor Sri. K.V. Khadri Narasimhaiah addressed the gathering. Prof. Govind R Kadambi emphasized the importance of NSS in an educational institution and inspired many young minds there to involve in serving society.

The next event after the inauguration program of NSS units was an awareness rally by the NSS student volunteers. With placards and banners in hand, the students went for a rally to create awareness regarding the importance of tree plantation. Soon after the awareness rally, the NSS student volunteers joined hands in the GREEN SUNDAY INITIATIVE where they were taken to plant saplings near the river Kempabudhi as the remembrance of the inauguration program. With this, the inauguration just didn't have speeches instead it had some Nobel idea of caring for mother nature, rather than words RUAS NSS team believes in action. This tree plantation drive made the inauguration more effective and which is the beginning of a big dream, hope, and contribution to societ

Alumni Webinar Series

As part of Alumni Speak........ Webinar Series, Mr. Kavindra K was invited to speak to the present batch of students. He completed his MBA (Operations) 2018and working as Sr. Associate in Amazon, Bangalore.

Vibes... Directorate of Student Affairs Quarterly Newsletter

The thought, to come out with a Directorate's Newsletter that will provide a snapshot of the various activities of the Directorate and at the same time will act as a communication medium between the students, was nurtured in our hearts for quite a long time. One fine day, the Muse sat on our shoulder and fingers started to type and on January, 2021 we came out with the maiden issue of Vibes... Since then it has become a worthwhile experience.
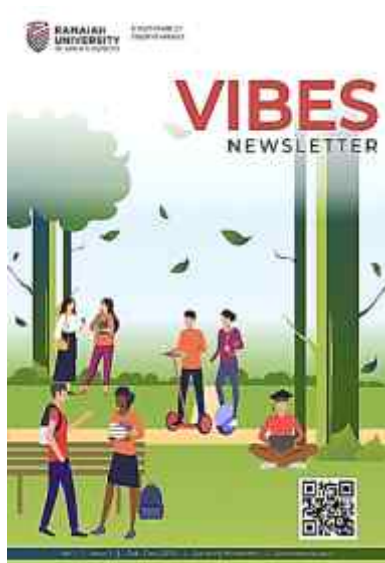
| 1st Issue | 2nd Issue | 3rd Issues |

Other Activities:

- Online verification of scholarship applications under National Scholarship Portal (NSP) and State Scholarship Portal (SSP).
- Prepared the entire student list of the University with required details for Student Group Health Insurance Policy.
- Provided student data for integration with SSP.
- Provided placement and higher studies data of the University for NIRF.
- Coordination of 2nd Half portion of University Convocation and was responsible for arrangement of refreshments and distribution and receiving convocation gowns.
- Distribution of Admission kits to the new students of the University.
- Organized RT-PCR COVID19 testing camp in GG Campus on 3 days-13th, 18th & 20th Nov, 2020. 350 staff and students undertook the test.
- Prepared brochure related to COVID19 protocols for the University – RUAS Response to COVID19.
- Prepared COVID19 protocols for safety in RUAS hostels.
- Formed COVID19 Task Group and Help Group.
- Updation of data related to Criteria 5 of NAAC.

8. 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 since 2014
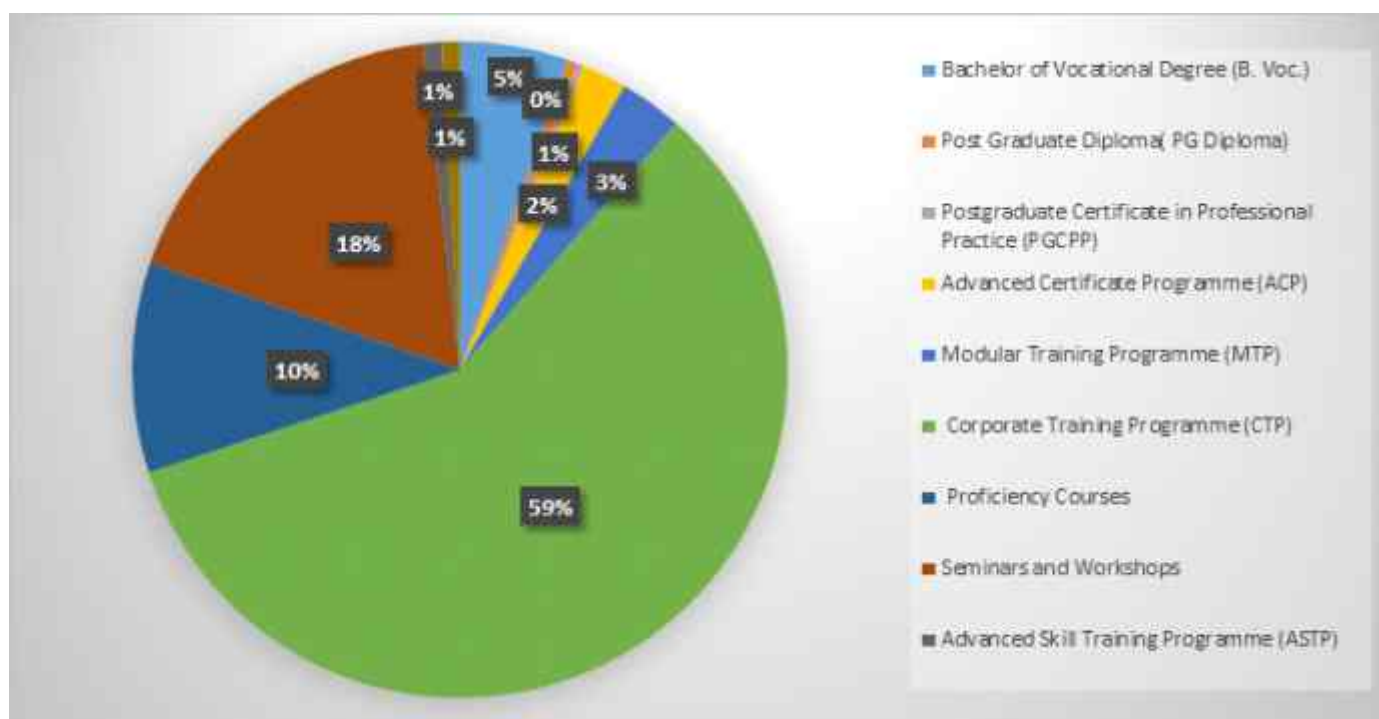
Sl.No	Programmes Conducted in 2019-20	Members Trained
1	Bachelor of Vocation (B.Voc.)	300
2	Post Graduate Diploma	29
3	Advanced Certificate Programme	13
4	Modular Training Programme	16
5	Corporate Training	372
6	Proficiency course by DTSLD	180
7	Post graduate Diploma in Railway Signalling and Telecommunication	29
8	Post Graduate certificate courses in Professional Practice in Dental Esthetics and Implantology	5

300 students have taken admission to B.Voc. Degree programme (Full time & Part time) for the academic year 2019 - 2020.

The course wise admission to B.Voc. Programme is as follows:

Sl. No	Course	Diploma	Advance Diploma	B.Voc Degree	Total No. of Students
1	Product Design & Modelling (FT)	6	40	36	82
2	Product Design & Modelling (PT)	-	43	36	79
3	Mechatronics (FT)	2	13	9	24
4	Mechatronics (PT)	-	26	9	35
5	Culinary Operation	33	20	16	69
6	Post-Harvest Technology	11	-	-	11
	Total No. of Students	52	142	106	300

• We have signed MOU with Buhler for offering B.Voc. in Post-Harvest Technology for their trainee Engineers.
• We are conducting Post Graduate Diploma in Railway Signaling and Telecommunications with Ilex Academy and has seen 29 admissions last year
• Proposal on joint B.Voc degree with Bosch Limited is under discussion and finalized. The course curriculum for whole programme is ready.

9. 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.

We have 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 we have filed many joint patents for in-house developed technologies.

The TCE's man power 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**

   i) 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.

   ii) Worked on 10 different Indigenization project with DRDO's & Public sector units (PSU), which is a part of MAKE INDIA Program.

   iii) We have 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.

   iv) We have developed a technology called Semi Active Magneto Rheological based mounts for Indian Navy (IN) Ship borne equipment application.

   v) We have 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.

Activities of Techno Centre

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.
Mechanical & PIDC Team **Order received & Executed in 2020-21**				
1	Finite Element Analysis of DG System for INS Talwar	HMT	1	86,140
2	Thermal Analysis of IFF Transponder	BEL	1	1,41,010
3	Thermal & Finite Element Analysis of Display Cabinet-1(1 110 013 588 82), Front End Cabinet (1 1 10 013 589 79), Receiver Processing Cabinet(1 1 1 0 013 593 67), Workstation (1110 013 598 52)	BEL	3	1,361,720
4	Wind Tunnel Test	Minebea Mitsumi Tech Centre India (MTCI)	1	70,800
5	Industrial Design (Concepts) of Mobile Dental Kit _ Q1	Merlin	3	2,36,000
6	Structural Analysis of Vertical Launch Unit (VLU) - LRSAM_Q1	Dynamatic Technologies	1	1,58,000
7	Finite Element Analysis with SSDS Protective bush inserted in Titanium Grade-2 Housing of INS Talwar DG	HMT	0.5	88,500
8	Wind Tunnel Test	Minebea Mitsumi Tech Centre India (MTCI)	1	53,100
9	Design Verification, Modification, Analysis and DFMA of Distortion Measurement Rake Unit _ (Q1)	ADA	3	18,52,180
10	Wind Tunnel Test _ Q1	MinebeaMitsumi Tech Centre India (MTCI)	1	30,000
11	Finite Element Analysis of 50Kw – LCU_Q1	ENTEC_	1	20,000

Activities of Techno Centre

Sl. No.	Project Title	Client	Duration (Months)	Value in Rs.
Projects Executed during 2020-21 / Order received in 2019-20				
1	Study of Unsteady Flow Dynamics Due to Afterburner Flame-holder using LES _ Q3	GTRE	3	2,57,920
2	Finite Element Analysis of Funnel Assembly & Winch_Q2	Sika	1	177590
3	Finite Element Analysis of DG System for INS Talwar Class_Q2	HMT	1	138650
4	Air Borne SONAR: Structural Finite Element Analysis	BEL	3	752000
5	CAD Modeling, FEAnalysis & Validation of EMRU unit _Q3	NSTL	3	197,022.00
6	Finite Element Analysis of PMU_Bal	Amphenol Interconnect	1	100,890.00
7	Thermal & Finite Element Analysis of- Display & Workstation Cabinet (HumsaNG -P17A)	BEL	2	684,400.00
8	Finite Element Analysis of FDU-R Unit _ (Raghav)	BEL	1	200,600.00
9	Thermal & Finite Element Analysis of- DMFC	BEL	1	555,780.00
10	Finite Element Analysis of Vacuum Casting Chamber (1993-000-000)-SPL305	HHV	1	76,700.00
11	Finite Element Analysis of SR 280 – 4 Drive Assembly _ Q2	Tennova Delkor India	1	1,71,550
12	Finite Element Analysis of 90 kW LCU	Entec Engineering	1	1,03,840

	Electronics Team			
	Order received & Executed in 20-21			
1	Design and Development of Greenhouse-PCB	K-12	0.5	23,600
2	Fabrication of G_PCBv1.0 and components assembly	K-12	0.5	11,800
3	Design Modification of Existing version of GPCB V1.1, Fabrication and Assembly	K-12	0.5	10,880

FE Analysis of Underwater Winch
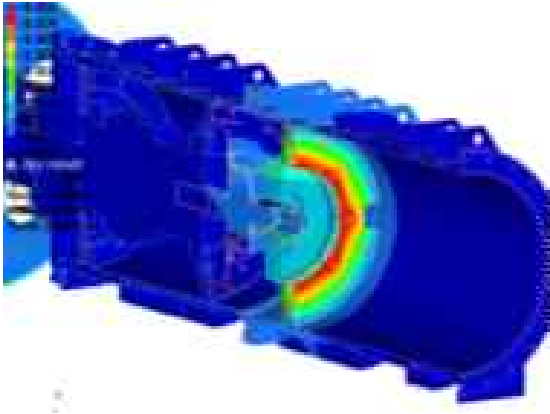
Thermal & Structural Analysis of Electronic Cabinets
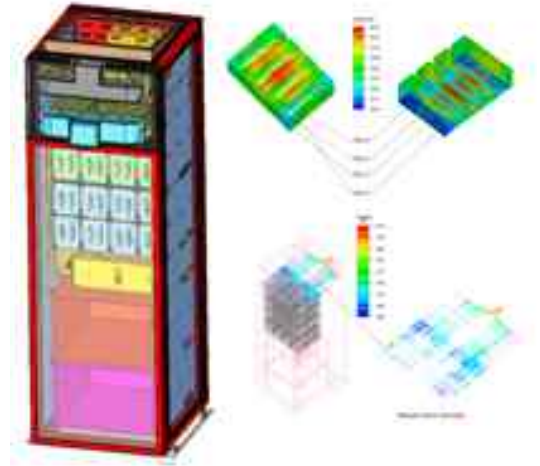
RE of EMAG RL Unit

Design & Development of Super duplex Steel Planetary Gear Box

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
- Mentorships
- Project Case Studies
- Platform to reach wider audience
- Funding

Startups registered at Ramaiah Technology Business Incubator (RTBI)

- iDOC Med Solutions Pvt. Ltd.
- C Intelligence Services Pvt. Ltd.
- Yantro Mitra Learning Technologies   Pvt. Ltd.
- Vimana Drone Labs Pvt Ltd
- Bramhansh Pvt.Ltd
- Aulukya Machine Tools India Private Limited
- Zengages Learn & Grow Pvt. Ltd
- Emvega Technologies Pvt. Ltd

10. Directorate of Transferable Skills and Leadership Development

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
    - Brand Ambassadorship
    - Shop floor Leadership
    - Negotiation
    - Professionalism at Work
  - Initiatives
    - Project Management
    - 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, Essay Writing)
    - 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

Sunday Musical Evening Date: 26th April, 2020	**"Music gives a soul to the universe, wings to the mind, flight to the imagination and life to everything". Plato** The musical evening was held online. It was a splendid experience as we could find the gatherings in huge	
Acclimatization session for B. Tech batch 2020-21 24/8/2020 to 28/8/2020	This ONLINE session was conducted to keep the new batch students engaged until actual teaching and learning would begin. Approximately 100 students attended the sessions.	
Workshop on Leadership in Public Healthcare Dates of Workshop: 11th, 12th and 13th January 2021	**Workshop objectives:** • Understand the Dimensions of Leadership and map them to Public Health Domain • Learn how to lead without disciplinary authority. • Understand the dynamics of situational leadership and how to deal with them. • Reflect upon own attitude and traits towards leadership and identify possible obstacles in Public Health Leadership. • Stakeholder Management	

DTSLD Activities

Workshop on Pedagogy and Content Development Dates of Workshop: 4th and 5th February 2021 Time: 9 am to 5 pm	The workshop was conducted to the Faculty Members of RUAS with an objective of introducing them to Learning Theories and Principles of Assessment. Need for Education on Pedagogy, Education in 21st Century, Introduction to Principles of Pedagogy, Outcome Based Learning and Learning Assessments were discussed during the session.	
Debate Bootstrap Camps Date: 6th March 2021 Venue : A205, Peenya Campus. No of participants: 25 Date: 13th March 2021	In the month of March 2021, Debate Club organized two Bootstrap camps and one online Open Mic. All these events were organized to Introduce the activities of debate club.	
Workshop on Pedagogy and Content Development Dates of Workshop: 24th and 25th of March, 2021 Time: 9 am to 5 pm	The workshop was conducted to the Faculty Members of RUAS with an objective of introducing them to Learning Theories and Principles of Assessment.	

11. 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 Class Rooms are equipped with Audio visual facilities, Networked and Wi-Fi enabled

Classrooms

Faculty	Number of Classrooms	Number of Seminar Halls	Total
FAD	8	1	9
FDS	4	11	15
FET	47	1	48
FHMCT	8	1	9
FLAHS	14	1	15
FMC	23		23
FMPS	11	1	12
FPH	9	5	14
SS & SL	28		28
Total	**152**	**21**	**173**

Computer Laboratories

Faculty	Number of Computer Labs	Number of other Academic Laboratories	To tal
FAD	1	11	12
FDS	0	9	9
FET	7	38	45
FHMCT	2	15	17
FLAHS	1	6	7
FMC	1	0	1
FMPS	1	5	6
FPH	3	18	21
SS & SL	1	4	5
Total	**17**	**106**	**123**

Library

Faculty	Number	Area (Sq M)
FAD	1	87.49
FDS	1	749.45
FET	1	262.48
FHMCT	1	128
FLAHS	1	79.92
FMC	1	125.32
FMPS	1	87.49
FPH	1	203.46
SS	1	546.73
SL	1	460.79
Total	**10**	**2731.13**

List of Software available in RUAS is attached as Annexure 15

12. 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

Student Exchange

Student Mobility / Exchange

International Student Mobility for the year

Sl. No.	Country	University	Faculty	Purpose	No of Students	Duration
1	USA	University of Cincinnati, USA	FLAHS, FDS	Course	08	4 weeks in February/March 2021
2	Russia	St. Petersburg State University of Industrial Technologies and Design, Russia	FAD	International School	01	from February to May 2021
3	Russia	Ural Federal University, Russia	FAD	International Hackathon	04	December 2020
4	USA	Illinois Tech	FET	Admission Offers Received	08	February 2021
5	Russia	St. Petersburg State University of Industrial Technologies and Design, Russia	FAD	Semester Abroad	02	December 2020
6	UK	Ureka Education, UK	FMC	International Internship	01	June 2020

Student Exchange

1. Students from Ramaiah University of Applied Sciences are shortlisted to the Course on "Global Perspectives of Public Health" at the University of Cincinnati, USA

EIGHT Students of RUAS (06 from FLAHS and 02 from FDS) are shortlisted to the Four Week Course on "Global Perspectives of Public Health" in association with University of Cincinnati, USA. Dr. Aabha Singh and Dr. Pooja Balurkar, Second year post graduate students, Department of Public Health Dentistry, FDS, RUAS, and First year Master in Public Health (MPH) Students: Dr. M. Shiva Prakash, Ms. Tuli Roy, Dr. Rangisetti Naga Prudhvi Teja, Dr. Binduvardhini N, Ms. J. Annie Nithiya Vathani, Dr. Moinudeen Syed. The four-week short course starts in February 2021 and helps Students to learn modern aspects of Public Health with a global perspective. The Students shall be part of a global virtual classroom amongst peers from around the world.

2. RUAS Student Shortlisted for International School "Design & Digital Brand Communication" at St. Petersburg State University of Industrial Technologies and Design, Russia

Ms. Aditi H. D, VI semester B. Des Fashion Design Student of Faculty of Art and Design from Ramaiah University of Applied Sciences has been shortlisted to the FOUR-month International School at St. Petersburg State University of Industrial Technologies and Design, Russia (SUITD): "Design and Digital Brand Communication" from February to May 2021. Student gained insight into the field of Design and Digital Brand Communications with a cross-cultural perspective. Ms. Aditi was a part of virtual international classrooms and learned amongst peers from around the world. She attended classes and practical sessions in: Animation for Fashion, and Fashion goes digital: CLO 3D preproduction.

The International School is part of a project funded by the European Union, the Russian Federation and the Republic of Finland to enable cross-cultural communication and provide access to the breakthrough in creative industries.

Ms Aditi H. D is the only one to get this certificate from India

3. RUAS Students Won Prize in Hackathon "Post Industrial Design" - Ural Federal University, Russia

Ms. Ananaya H., Ms. Aisha Anmed, Ms. Anagha C. K., Ms. Bhoomi Dattani, 7th Semester B. Des Fashion Design students, Department of Fashion Design, FAD, Ramaiah University of Applied Sciences, Bangalore, Karnataka, India won a Special Nomination Prize as Best Social Project/ Idea in the online International Hackathon "Post Industrial Design", November 2020 organized by Ural Federal University, Russia. Summing of the event and announcing winners was held on 17th December 2020.

Student Exchange
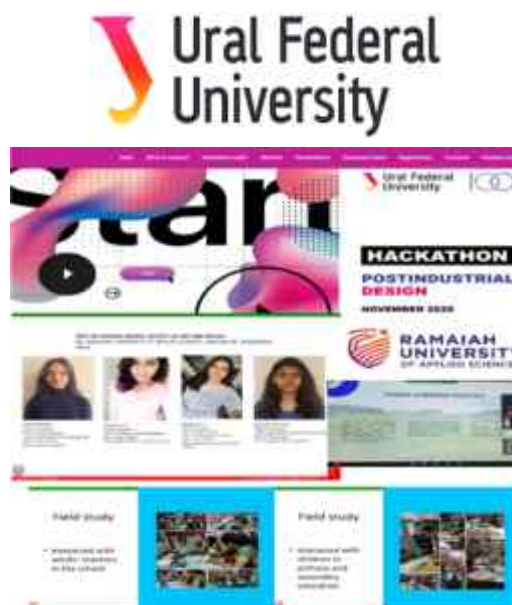
4. EIGHT RUAS FET UG Students Received Admission Offers to Illinois Institute of technology, USA, (Illinois Tech)

EIGHT RUAS FET UG Students of the final year of their program have received admission offers to Master Degree Programs at Illinois Institute of Technology, Chicago, USA (Illinois Tech): Parankush Koul, C. Y. Shreeya, Gaurav, Jayanth K. M., Keerthana R., Anshoo Mehra, Akanksha R., and M. Sai Sumeeth Reddy, who are from RUAS Departments of Mechanical & Manufacturing Engineering, Computer Science and Engineering, Aerospace Engineering and Electronics and Communication Engineering.

5. Students from Faculty of Management and Commerce (RUAS) Complete an Online Semester Abroad in Brand Management at St. Petersburg State University of Industrial Technologies and Design, Russia

Semester Aboard is one of the study abroad options that Ramaiah University of Applied Studies (RUAS) offers to its students. Post-COVID reality pushed us into the new normal where a lot of projects must shift fully online, at least for the time-being. Pioneering in this new format, Ms. Janvhi A. Jaiswal and Ms. Harshitha Singh, first year BBA Students of Faculty of Management and Commerce, have successfully participated in the International Semester - Distant at Saint-Petersburg State University of Industrial Technologies and Design (SUITD), Russia, from October to December 2020.

6. Online internship as Global Trainee – Marketing with Ureka Education, UK

Mr. Stiphen Pratik Samonthroy, an MBA in Operations Management student (Batch-2018) of Faculty of Management & Commerce from Ramaiah University of Applied Sciences has successfully completed a one month online internship as Global Trainee – Marketing with Ureka Education, UK, between 7th of May – 4th of June 2020. He has successfully contributed to developing parts of a marketing strategy for the company's portfolio of services in India.

13. Press and Publicity

As a responsible institution of higher learning we are constantly endeavoring to keep all the stakeholders continuously up-to-date with the happenings at the University. These communications take the form of a constantly updated University Website, Advertisements in the local and national media, in popular Newspapers and Magazines, University's Publications including Newsletters and Technical Journals. Events of significance are also communicated to the Press and Media. The University also participates actively in national and international forums.

University Website www.msruas.ac.in

is the URL of M. S. Ramaiah University of Applied Sciences

Annexures

Annexure 1 - Proctoral System

Annexure 2- Staff - Student Committee- Minutes of Meeting

Annexure 3 - Student Feedback form

Annexure 4 - Feedback Analysis Report

Annexure 5 - Student Performance

Annexure 6 - PhD Scholar Details

Annexure 7 - Details of Patents

Annexure 8 - Software List

Annexure 1
Proctoral System

The table below summarizes the Mentors at each Faculty:

| Faculty | Programme | Academic Year | 2020-21 |
		No. of Mentors	No. of Mentees (Students) Alloted
FAD	B.Des. PD	9	154
	B.Des. FD	4	44
FDS	BDS	3	60
FET	B.Tech AE	15	71
	B.Tech. ASE	15	226
	B.Tech CE	8	194
	B.Tech CSE	32	841
	B.Tech EE	12	166
	B.Tech EC	16	410
	B.Tech ME	16	246
	B.Tech AIML	2	54
	B.Tech ISE	1	37
	B.Tech M & C	1	19
	B.Tech Robotics	2	30
FHMCT	BHM	18	330
FLAHS	B.Sc.(Hons) BT	8	159
	B.Sc.(Hons) FPT	9	177
	B.Sc.(Hons) MRIT	3	60
	B.Sc.(Hons) DTT	2	38
	B.Sc.(Hons) OTT	1	20
	B.Sc.(Hons) CCT	2	30
	B.Sc.(Hons) OPT	3	26
FMC	BBA	23	264
	B.Com(Hons)	5	130
FMPS	B.Sc.(Hons)	7	93
FPH	B.Pharm	19	380
	Pharm.D	12	150
	Total	**248**	**4409**
	Mentor: Mentee Ratio	**18**	

MS Ramaiah University of Applied Sciences

Gnanagangothri Campus,Bengaluru,Karnataka 560054

Mentor's Concern

Meeting Details

Meeting Organized By :	Nagaraja Rao Sulake
Meeting Date :	Dec 16,2020
Meeting Subject :	Proctor Meeting
Meeting Time :	10:30 AM To 11:00 AM
Meeting Venue :	Class Room [A409]
Meeting Agenda :	1. Term test performance 2. Assignment submission deadline

Minutes of Meeting

1. Internet speed was low during online examination

Comment: It was informed to the students, the submission time was extended due to internet issues based on their request.

2. Information should be given in advance regarding semester end examination schedule

Comment: It is assured that, SEE time table will be announced at least 20 days prior to the examination as per the Associate Dean-Academic affairs instructions.

Meeting Object - Student

Sr.No	Student Name	Programme Name	Batch Name	Email
1	Vipul Kumar	003 B.Tech. in EE	5 Sem Sec-A	Vipulkumar1690@gmail.Com
2	Vrushab B Padasalagi	003 B.Tech. in EE	5 Sem Sec-A	Vrushabhpadasalagi1@gmail.Com
3	Anushka Yashraj	003 B.Tech. in EE	5 Sem Sec-A	Yashrajanushka@gmail.Com
4	Amruth Raj A	003 B.Tech. in EE	5 Sem Sec-A	Ammruth123Raj@gmail.Com
5	Mamatha K R	003 B.Tech. in EE	5 Sem Sec-A	Mamatha672000@gmail.Com
6	Naveenkumar K	003 B.Tech. in EE	5 Sem Sec-A	Naveenkumarkabballi@gamil.Com
7	Sachin S Palled	003 B.Tech. in EE	5 Sem Sec-A	Sachinpalledpalled179@gmail.Com
8	Naveen K M	003 B.Tech. in EE	5 Sem Sec-A	Naveenkumarmgn512@gmail.Com
9	Navya A	003 B.Tech. in EE	5 Sem Sec-A	Vedhalakshmi.A@gmail.Com
10	Nuthan A S M L	003 B.Tech. in EE	5 Sem Sec-A	Nuthanasml@gmail.Com
11	Prakruthi S	003 B.Tech. in EE	5 Sem Sec-A	Prakruthis.2000@gmail.Com
12	Preetham M	003 B.Tech. in EE	5 Sem Sec-A	Preethammanjunath6@gmail.Com
13	Rahul Umesh H S	003 B.Tech. in EE	5 Sem Sec-A	Rahulumeshhs@gmail.Com
14	Sahana K.M	003 B.Tech. in EE	5 Sem Sec-A	Sahana.Hospet@gmail.Com
15	Santhosh G	003 B.Tech. in EE	5 Sem Sec-A	Saneshsanthu@gmail.Com
16	Shraddananda N.M	003 B.Tech. in EE	5 Sem Sec-A	Shraddanandabrucelee@gmail.Com
17	Siddarth B.N	003 B.Tech. in EE	5 Sem Sec-A	Siddarthdevanga99@gmail.Com

Annexure 2
Staff – Student Committee Minutes of Meeting

M S Ramaiah University of Applied Sciences
Bangalore – 560054

Staff-Student Consultative Meeting BBA & B.Com - FT 2018 Batch (4th Semester) & FT 2019 Batch (2nd Semester)

Day and Date: Friday, 14th February 2020	Time: 12.00 pm

Venue: G16 Classroom

Members Present: Dr H S Srivatsa, Prof. H N Nagesha, Ms. Geetanjali Pawar, Ms. Renee Namratha, Ms. H. Thara Bai, Dr N Suresh, Dr Chandra Sen Mazumdar
Staff Ms. Geetha Shree S, Mr. Darshan, Mr. Prakash S, Ms. Shilpa R G, Ms. Usha J C, Mr. Rakesh C, Dr G Devakumar, Mr. Mohan Rao, Dr Mamatha S V, Mr. Ajay R, Ms. Sudharani R. Ms. Rashmi R, Ms. Reshma K J, Mr. Uday K Jagannathan, Mr. Ashok , Ms. Savitha Kulkarni, Mr. Dharshan S, Mr. Jyothi Shankar G,Mr. Rajeev Prasad P, Prof. V Nagendra, Ms. Reet Singh, Mr. Arup Bhattacharya, Ms. Nisha Francis, Ms. Sunitha Chakraborty, Mr. Manjunath K, Mr. Mohan Rao K

Members present: NETHAN N U (BBA-4th Sem), THARUNI K (BBA-4th Sem), JEEVAN GAUTHAM B –(BBA-A Section-2nd Sem), ADITHI SRIDHAR –(BBA-A Section-2nd
(Student) Sem), SUSHMITHA A H –(BBA-B Section-2nd Sem), VARUN EKAN –(BBA-B Section-2nd Sem), JAYANTHAN V - (B.Com-4th Sem), ISHIKA SONI- (B.Com-4th Sem), P DIVAKAR - (B.Com-2nd Sem)

Members Absent: - M NAVIRA VIZHI -(B.Com-2nd sem)

Agenda of the Meeting:
The meeting is called to consider the agenda items given below:

1 **Student Academic issues**
   Curriculum
   Course Delivery
   Examination & Assessment
2 **Student Teaching and Learning Support**
   Programme Operations
   Examination & Assessment
   Library
   ICT

Laboratories & Workshops
3 **Student Amenities**
   Hostel & Cafeteria
   Sports & Recreation

Any other matter with the permission of the Chair.

Discussions and Action Points

Sl. No.	Subject	Discussions	Action Points	Action Taken	Responsibility
1.	Call to Order and Quorum	The meeting was called to order by the Chairperson of the committee - Dr H S Srivatsa, at 2.00 pm. With quorum being present the proceedings of the meeting commenced. The Chairperson welcomed the members and proceeded to take up the agenda. Dean Welcomed all the CR's and asked them to introduce themselves.			
2.	Agenda 1: Student Academic Issues	Dean requested with UG students for their feedback regarding the academics. BBA CR (2nd Semester) expressed that Ms. Reet Singh has not issued the course plan.	Dean asked the students to collect the course plan from the subject leader and also requested for Ms. Renee N to coordinate with the Ms.		

3	Agenda 2: Student Teaching and Learning Support	Dean suggested for the placement department to start looking for the Jobs and for the internship. Dean also suggested for the placement department to discuss with the students to know their aspiration and reputation session.			Placement Department (Mr. Ravindra Mukkund)
4	Agenda 3: Student Amenities	-			
5	Agenda 4: Any other items by the permission of the Chair	There being no further business, the Chairperson declared the meeting closed.			
6	Vote of Thanks and adjournment	The meeting ended with a vote of thanks by the Chairperson of the committee.	-		-
Date and Time of next meeting:		-			

Review of Minutes of the Meeting:

Date: 30th October 2019

Venue: G16 Classroom

Declaration: We have reviewed the action points of the previous meeting and the following actions have been completed:

H. Thala K.

(Signature of the E & A Section)

H. S. Luvathee

(Signature of the Chairperson)

Annexure 3
Student Feedback Form

RAMAIAH UNIVERSITY

STUDENT FEEDBACK ON CURRICULUM DESIGN AND DEVELOPMENT

Name of the Student		Semester	
Programme		Batch	

This questionnaire is intended to collect information relating to your participation towards the **Curriculum design, Planning and Development**.

The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme.

Directions: For each item please indicate your level of satisfaction with the following statement by choosing ☑ a score between 1 and 5.

Sl. No.	Questionnaire	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)
1	Aims and objectives of the Programme are well defined and clear to students					
2	Curriculum design contain Programme Outcomes(POs) and Programme Specific Outcomes(PSOs) which are in-line with career-advancement					
3	The course content & level was suitable to meet the Course Outcomes(COs)					
4	Course Learning Outcomes facilitate the desired competency levels					
5	The Reference material and books listed in the syllabus are relevant., updated and available in library					
6	The electives offered facilitate the advancements in the specific domain					
7	Allocation of time and facilities for LAB/Practical/Clinical/Management Activities in each course is adequate to ensure problem solving capabilities.					
8	Timely coverage of syllabus for tests and examinations					
9	Attainment of CO/PO are appropriately designed in the evaluation scheme for entered and final assessment					

Any other comments /suggestions:

Please Note: (Cumulative Report Based Actions considering all received Student feedback for a particular programme will be considered during revision of courses or introduction of new programmes where these courses are considered) in the format mentioned

Action Taken:

Programme/ Batch	Semester	Points of Relevance	Action Implemented	Approval Details	Signature of Dean/HoD with Date

RAMAIAH UNIVERSITY
OF APPLIED SCIENCES

Alumni Feedback Form

We are glad that you have spent valuable years pursuing courses of your choice at RUAS. We shall be thankful if you can spare some of your valuable time to fill up this feedback form and give us valuable suggestions for further improvement of the University. Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of our University. Your response as an esteemed alumnus in this regard is valuable for our continuous improvement. From your experience, please rate the degree to which RUAS prepared you as a graduate to achieve the indicated Programme outcomes. Please use the indicated scale to give your opinion.

Directions: For each item please indicate your level of satisfaction with the following statement by choosing ☑ a score between 1 and 5

Sl. No.	Questionnaire	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)
1	How were the courses designed and their spacing in regard to their content?					
2	Curriculum provides excellent exposure towards outcome based learning contents.					
3	The adequate focus was given to acquire Competency /Transferable Skills / career counselling / research projects /field visits etc.,					
4	The Collaborative and Co-operating learning environment during the programme period					
5	The ambience of University was cohesive to create interest in Life Long Learning , Entrepreneurship skill and Career Development					
6	The programme has laid down a strong foundation to pursue next level of education					
7	Developed ability to communicate effectively in written, verbal and technical forms					
8	Prepared me to work as a part of multidisciplinary team and for successful career in industry					

Any other comments:

Name of the Alumni :   e-mail id:

Current Position and Company Name:

Please Note: (Cumulative Report Based Actions considering all received Alumni feedback for a particular programme will be considered during revision of courses or introduction of new programmes where these courses are considered)

Action Taken:

Programme Enrolled / Batch	Year Passed out	Points of Relevance	Action Implemented	Approval Details	Signature of Dean/HoD with Date

RAMAIAH UNIVERSITY

EMPLOYER FEEDBACK FORM

As industry is the ultimate customer of the quality products (Students) produced from the institute (College/University), your support and feedback will help us to maintain the required standards of education. It will help us to improve the Institute further and give you better employees in future.
Here are some of the points to facilitate you in giving feedback about curriculum design and the innovational ability of our students. You are requested to mark in the box provided against each item as per the following norms.

Directions: For each item please indicate your level of satisfaction with the following statement by choosing ☑ a score between 1 and 5.

Sl.No	Questionnaire	Excellent (5)	Very Good (4)	Good (3)	Average (2)	Poor (1)
1	Programme Outcomes facilitate the competency levels and proficiency of recruits.					
2	Curriculum imbibes Self-Directed-Learning (SDL), Time Management and Professional ethics					
3	Curriculum is in line with regulatory norms and recent advancements added in the programme.					
4	The curriculum has been designed to make students industry ready by imparting analytical and reasoning, language and soft skills in addition to technical competencies.					
5	The course enrichment and value added courses help the recruits of RUAS to be a good humans with high value for gender sensitivity and national integrity.					
6	Suggestions for the improvement of the curriculum					

Name:_____   Designation / Position: _____

Company/Organization/University:_____   Date: _____

Note: Industry Experts are included as a part of Board of Studies, Experts include External Examiners from Academia –subject experts involved in moderation processes, Visiting Faculty from India/Abroad, Industry Professionals invited during Board of Studies give their feedback on Curriculum Design, Planning and Implementation and their timely inputs on existing and new programmers are taken periodically for continuous improvements.
Please Note: (Actions to be considered during revision of courses or introduction of new programmes where these courses are considered)
Action Taken:

Programme	Points of Relevance	Action Implemented	Approval Details	Signature of Dean/HoD with Date

RAMAIAH UNIVERSITY

FACULTY FEEDBACK ON CURRICULUM

Name of the Faculty Member		Academic Year	
Programme		Course Name	

This questionnaire is intended to collect information relating to your satisfaction towards the curriculum, teaching, learning and evaluation.

The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme.

Directions: For each item please indicate your level of satisfaction with the following statement by choosing ☑ a score between 1 and 5.
(1- Poor, 2- Average, 3- Good, 4 - Very Good, 5- Excellent)

	Curriculum, Teaching, Learning and Evaluation:	5	4	3	2	1
1.	Aims and Objectives of the programme are well defined					
2.	The depth of the course content is adequate to fulfil the specified learning outcomes					
3.	The Course Intended Learning Outcomes are Mapped to Intended Programme Outcomes					
4.	Syllabus (Indicative Content) is suitable to the course outcomes and industry need based					
5.	Evaluation process provide opportunities for demonstrating their learning through higher order of thinking.					
6.	Delivery of course contents has got good balance between cognitive , psychomotor and affective domain					
7.	The practical enable to develop experimental, design, problem solving and analysis skills of the students.					
8.	Timely coverage of syllabus is possible in the mentioned number of teaching hours.					
9.	Sufficient number of recommended books and reference material are available in the library.					

Recommendations for course improvement

Action Taken:

Programme/ Batch	Semester	Points of Relevance	Action Implemented (if any)	Approval Details (if any)	Signature of Dean/HoD with Date

Annexure 4
Student Feedback Report

Mock Student Satisfaction Survey (SSS)

Report on Mock Student Satisfaction Survey (SSS) conducted as a part of NAAC activity

I) Preamble

    a) All the efforts of teachers and the institution to make learning a meaningful process can be considered impactful only to the extent students perceive it to be meaningful.

    b) Their satisfaction level is decided by the kinds of experiences they undergo, the extent of the "comfort" feeling as well as intellectual stimulation the learning situations provide.

    c) Their feedback significantly showcases the actual quality of teaching learning process enabling identification of the strengths of teaching as well as the possible improvements. Student satisfaction, thus, is a direct indicator of the effectiveness of teaching learning in the institution.

    d) NAAC specifies that, it may be impractical to capture this aspect from every student; however, every HEI can resort to a sample survey on a formalized basis to capture this significant feature.

    e) This is the reason the revised assessment framework of NAAC adopts survey of student satisfaction.

In above context, RUAS conducted Mock Student Satisfaction Survey (SSS) through Quality Assurance Cell (QAC) in both campuses and obtained around 2730 student responses. Subsequently, responses obtained were analysed and reported.

SSS will be conducted as per the following conditions (as specified by NAAC):

1. SSS will be conducted simultaneously with DVV process.

2. Higher Education Institutions (HEIs) have to strictly upload data of at least 50% of currently enrolled students as per data template format of excel sheet given in portal.

3. The SSS questionnaire (20 objective & 01 subjective) will be e-mailed to all students and the following rule will be applied for processing the responses

4. For Universities – 10% of the student population or 500, whichever is lesser

5. If the response rate is lower than the limits mentioned by NAAC, the metric will not be taken up for evaluation.

6. SSS will be completed within one month after its initiation.

7. The data of the students for Student Satisfaction Survey (SSS) has to be submitted concurrently during online submission of SSR.

8. NAAC SSS Poster to be publicized per-dominantly in bringing awareness among students

II) Analysis of SSS Responses and Data Consolidation

Total No. of Student Responses from both the campuses:

Sl. No	Campus	No. of Student Responses
1	Gnanagangothri Campus	1263
2	Peenya Campus	1467
	Total Responses	**2730**

SSS- Campus-wise No. of Responses

Gnanagangothri Campus:

Sl.No.	Faculty	Programme	Semester/Year	No. of Responses
1	FDS	B.D.S Intern	V Year	34
2	FDS	B.D.S	I Year	55
3	FDS	B.D.S	II Year	29
4	FDS	B.D.S	III Year	43
5	FDS	B.D.S	IV Year	49
6	FHMCT	B.H.M	II Sem	46
7	FHMCT	B.H.M	VI Sem	52
8	FHMCT	B.H.M	VIII Sem	86
9	FLAHS	B.Sc.(Hons) Biotechnology	II Sem	46
10	FLAHS	B.Sc.(Hons) Biotechnology	IV Sem	43
11	FLAHS	B.Sc.(Hons) - OTT/DTT/MRIT	IV Sem	28
12	FLAHS	B.Sc.(Hons) - OTT/DTT/MRIT	II Sem	100
13	FLAHS	B.Sc.(Hons) - Food Processing and Technology	II Sem	48
14	FLAHS	B.Sc.(Hons) - Food Processing and Technology	IV Sem	54
15	FMC	B.Com	II Sem	21
16	FMC	B.Com	IV Sem	25
17	FMC	B.B.A	II Sem	65
18	FMC	B.B.A	IV Sem	41
19	FPH	B.Pharm	II Sem	83
20	FPH	B.Pharm	IV Sem	82
21	FPH	B.Pharm	VI Sem	41
22	FPH	B.Pharm	VIII Sem	47
23	FPH	Pharm. D	I year	26
24	FPH	Pharm. D	II Year	19
25	FPH	Pharm. D	III Year	31
26	FPH	Pharm. D	IV Year	29
27	FPH	Pharm. D	V Year	18
28	FPH	Pharm. D	VI year	22
			Total	**1263**

Peenya Campus

Sl.No.	Faculty	Programme	Semester	No. of responses
1	FET	B.Tech	II A Sec	43
2	FET	B.Tech	II B Sec	36
3	FET	B.Tech	II C Sec	41
4	FET	B.Tech	II D Sec	39
5	FET	B.Tech	II E Sec	46
6	FET	B.Tech	II F Sec	46
7	FET	B.Tech	II G Sec	41
8	FET	B.Tech	II H Sec	59
9	FET	B.Tech in Civil Engineering	IV	42
10	FET	B.Tech in Mechanical Engineering	IV	61
11	FET	B.Tech in Computer Science and Engineering	IV A Sec	47
12	FET	B.Tech in Computer Science and Engineering	IV B Sec	42
13	FET	B.Tech in Computer Science and Engineering	IV C Sec	48
14	FET	B.Tech in Electronic and Communication Engineering	IV A Sec	51
15	FET	B.Tech in Electronic and Communication Engineering	IV B Sec	59
16	FET	B.Tech in Electrical and Electronic Engineering	IV	28
17	FET	B.Tech in Aerospace Engineering	IV	42
18	FET	B.Tech in Automotive Engineering	IV	24
19	FET	B.Tech in Civil Engineering	VI	35
20	FET	B.Tech in Mechanical Engineering	VI A sec	38
21	FET	B.Tech in Mechanical Engineering	VI B sec	29
22	FET	B.Tech in Computer Science and Engineering	VI A sec	53
23	FET	B.Tech in Computer Science and Engineering	VI B sec	54
24	FET	B.Tech in Computer Science and Engineering	VI C sec	50
25	FET	B.Tech in Electronic and Communication Engineering	VI A sec	54
26	FET	B.Tech in Electronic and Communication Engineering	VI B sec	45
27	FET	B.Tech in Electrical and Electronic Engineering	VI	30
28	FET	B.Tech in Aerospace Engineering	VI	53
29	FET	B.Tech in Automotive Engineering	VI	23
30	FET	B.Tech in Electrical and Electronic Engineering	VIII	13
31	FET	B.Tech in Mechanical Engineering	VIII	27
32	FAD	B.Des in Product Design	II	38
33	FAD	B.Des in Product Design	IV	32
34	FAD	B.Des in Product Design	VI	34
35	FAD	B.Des in Product Design	VIII	40
36	FMPS	B. SC	II	14
37	FMPS	M.Sc. in Chemistry	II	8
38	FMPS	M.Sc. in Maths	II	2
			Total	**1467**

Question No. 1: How much of the syllabus was covered in the class?
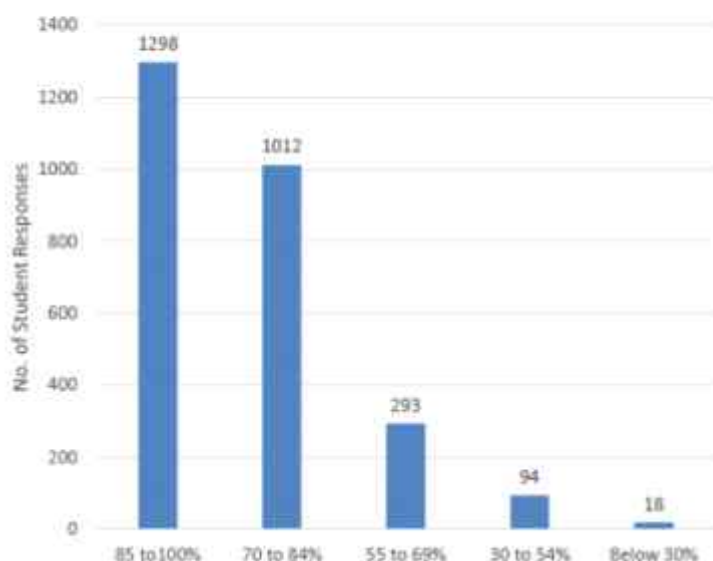
Grade Scale	Range	No. of Student Responses	in %
4	85 to100%	1298	47.8
3	70 to 84%	1012	37.3
2	55 to 69%	293	10.8
1	30 to 54%	94	3.5
0	Below 30%	18	0.7

Inference: 85% students are of the opinion that 70% to 100% of the syllabus is covered during the academic Year.

Question No. 2: How well did the teachers prepare for the classes?
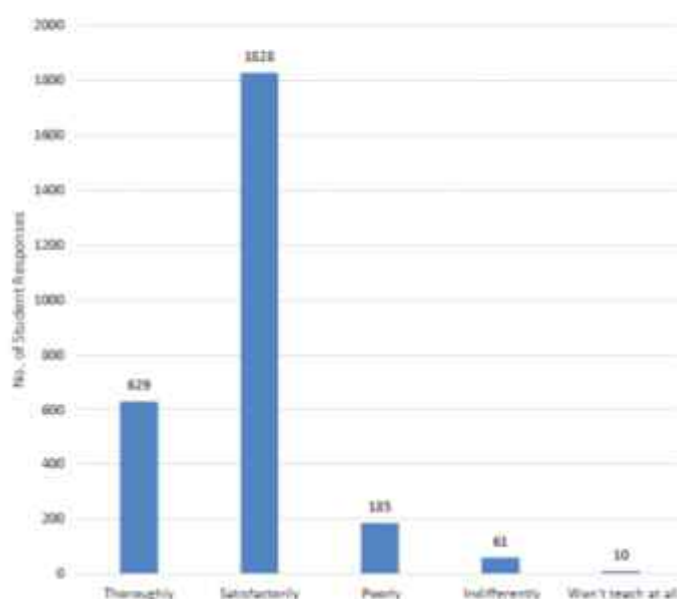
Grade Scale	Range	No. of Student Responses	in %
4	Thoroughly	629	23.2
3	Satisfactorily	1828	67.4
2	Poorly	185	6.8
1	Indifferently	61	2.2
0	Won't teach at all	10	0.4

Inference: 90% students are of the opinion that teachers come prepared to the classes

Mock Student Satisfaction Survey (SSS) – Observations and Remarks

At RUAS, the mock Student Satisfaction Survey conducted as a means of identifying the effectiveness of teaching learning captured the experiences students undergo in the various teaching learning situations.

Present Strength's observed from Student's perspective:

1. This survey indicated the strengths of teaching learning process at RUAS and the possible improvements that can be made in the curriculum and its delivery.

2. Major portion of the syllabus were covered on time

3. Teachers' approach were good, prepared well for lectures and communicate effectively.

4. The internal evaluation was done in a fair manner

5. Assignments/Assessments were discussed periodically with them

6. The mentoring process facilitated cognitive, social and emotional growth and mentor does a necessary follow up with the assigned task with them.

7. They were informed with program and course outcomes and the competencies to be developed after the teaching learning process

8. They have agreed that teachers illustrate the concepts through examples and applications and identify the strengths and weaknesses of students and encourage them by providing right level of challenges.

9. They were encouraged to participate in extracurricular activities also.

10. They have agreed that teachers' use ICT tools to maximum extent and use student centric methods to enhance learning experiences.

Areas of improvements indicated from Student's perspective:

1. To include students participation in review, monitoring and quality improvement of overall teaching learning process and in developing soft skills, life skills and employability skills.

2. The effectiveness of mentor mentee to be improved further and now it will captured and monitored through University ERP module.

3. Provide multiple opportunities to learn and grow, University has offered many value-added courses out-of-curriculum, encouraging students to participate in Dream Teams, Hackathons and many other opportunities to be created which will be made aware to the students further.

RAMAIAH UNIVERSITY OF APPLIED SCIENCES

004 B. Tech. in ECE 2017-2021 Exit Feedback Report

		Excellent	Very Good	Good	Satisfactory	Poor
				Total No. of Respondents		40
		5	4	3	2	1
Sl.No.	Parameter	(%)	(%)	(%)	(%)	%
1	Teaching and Learning Resources (class rooms, Teaching Aids, Seminar Halls,Laboratories, Library)	13	33	50	3	3
2	Quality of Teaching and Research Faculty	10	38	45	5	3
3	Administrative and Technical Support	10	23	38	25	5
4	Quality of Group Project and Dissertation Work	15	35	35	10	5
5	Internship, Placement and Competitions	5	20	35	25	15
6	Extra-curricular facilities (Sports, Cultural fests..)	5	18	35	25	18
7	Accommodation and other Campus Facilities	8	23	40	23	8
8	Exposure to outside world	5	13	30	35	18
9	Overall Rating	5	30	48	15	3
	Average Percentage(%)	8	26	39	18	8

Exit Feedback Analysis(Parameter-wise)-B.Tech ECE 2017-21 (Total Respondents: 40)

Feedback Parameters on scale 5(Excellent) to 1(Poor)

■ Excellent ■ Very Good ■ Good ■ Satisfactory ■ Poor
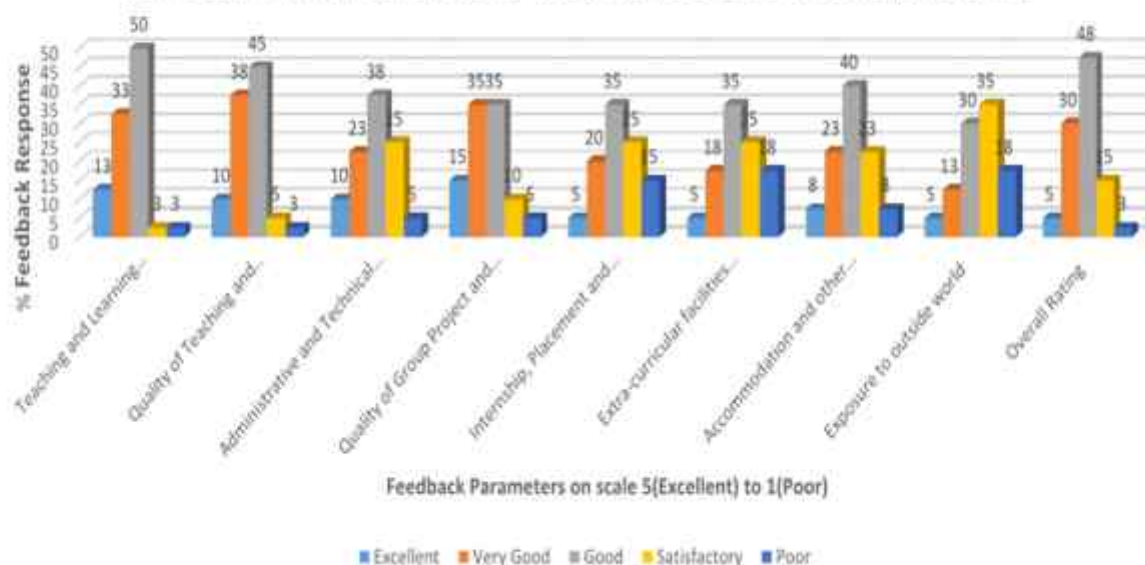
*** Please note your honest feedback helps us to develop the University better ****

Annexure 5
Student Performance
UG & PG

UG Programmes

The details of the student performance that were discussed in PAB as shown below:

Sl. No	Programme	Total No. of Students	No of Students passed in 6th Semester (Batch – 2017)	Pass%
1	B.Tech	624	573	91.82
2	B. Des (Product Design)	44	37	84.09
3	B. Des (Fashion Design)	16	15	93.75
4	B. Pharm	48	38	79.16
5	B.H.M	83	83	100

Sl. No	Programme	Total No. of Students	No of Students passed in 7th Semester (Batch – 2017)	Pass%
1	B. Tech	594	421	70.87
2	B. Des (Product Design)	37	29	78.38
3	B. Des (Fashion Design)	16	14	87.50
4	B. Pharm	48	Results yet to be announced	
5	B.H.M	83	80	96.38

Sl. No	Programme	Total No. of Students	No of Students passed in 8th Semester (Batch – 2017)	Pass%
1	B. Tech		Ongoing Semester	
2	B. Des		Ongoing Semester	
3	B. Pharm	48	Ongoing Semester	
4	B.H.M	83	In Progress	

UG Programmes

Sl. No	Programme	Total No. of Students	No of Students passed in 4th Semester (Batch – 2018)	Pass%
1	B. Tech	555	504	90.81
2	B. Des (Product Design)	42	36	85.71
3	B. Des (Fashion Design)	9	8	88.89
4	B. Pharm	100	63	63
5	B.H.M	89	89	100

Sl. No	Programme	Total No. of Students	No of Students passed in 5th Semester (Batch – 2018)	Pass%
1	B. Tech	543	344	63.35
2	B. Des (Product Design)	42	37	88.1
3	B. Des (Fashion Design)	8	8	100
4	B. Pharm	123	Results yet to be announced	
5	B.H.M	89	57	64.04

Sl. No	Programme	Total No. of Students	No of Students passed in 6th Semester (Batch – 2018)	Pass%
1	B. Tech		Ongoing Semester	
2	B. Des		Ongoing Semester	
3	B. Pharm	123	Ongoing Semester	
4	B.H.M	89	In Progress	

UG Programmes

Sl. No	Programme	Total No. of Students	No of Students passed in 2nd Semester (Batch – 2019)	Pass%
1	B. Tech	414	370	89.37
2	B. Des (Product Design)	37	32	86.49%
3	B. Des (Fashion Design)	12	10	83.33%
4	B. Pharm	95	55	57.89
5	B.H.M	78	78	100%

Sl. No	Programme	Total No. of Students	No of Students passed in 3rd Semester (Batch – 2019)	Pass%
1	B. Tech	496	434	87.50
2	B. Des (Product Design)	37	30	81.08%
3	B. Des (Fashion Design)	13	09	69.23%
4	B. Pharm	100	Examination is Completed SAB is pending	
5	B.H.M	78	56	71.79%

Sl. No	Programme	Total No. of Students	No of Students passed in 4th Semester (Batch – 2019)	Pass%
1	B. Tech		Ongoing Semester	
2	B. Des		Ongoing Semester	
3	B. Pharm	100	Ongoing Semester	
4	B.H.M	78	In Progress	

UG Programmes

Sl. No	Programme	Total No. of Students	No of Students passed in 1st Semester (Batch – 2020)	Pass%
1	B. Tech	520	453	87.12
2	B. Des (Product Design)	32	26	81.25
3	B. Des (Fashion Design)	8	7	87.5%
4	B. Pharm	100	Examination to be scheduled	
5	B.H.M	83	80	96.38%

Sl. No	Programme	Total No. of Students	No of Students passed in 2nd Semester (Batch – 2020)	Pass%
1	B. Tech		Ongoing semester	
2	B. Des		Ongoing semester	
3	B. Pharm	100	Ongoing semester	
4	B.H.M	83	In Progress	

Sl. No	Programme	Total No. of Students	No of Students passed in 4th Year (Batch – 2016)	Pass%
1	B.D.S	59	50	84.74
2	Pharm. D	30	28	93.33

Sl. No	Programme	Total No. of Students	No of Students passed in 5th Year (Batch – 2016)	Pass%
1	Pharm. D	30	Examination to be scheduled	
2	B.D.S	There is no exams in 5th Year BDS	Nil	Nil

UG Programmes

Sl. No	Programme	Total No. of Students	No of Students passed in 3rd Year (Batch – 2017)	Pass%
1	B.D.S	50	48	96
2	Pharm. D	32	24	75

Sl. No	Programme	Total No. of Students	No of Students passed in 4th Year (Batch – 2017)	Pass%
1	Pharm. D	34	Examination to be scheduled	
2	BDS	Yet to take Exam	Nil	Nil

Sl. No	Programme	Total No. of Students	No of Students passed in 2nd Year (Batch – 2018)	Pass%
1	B.D.S	58	57	98.27
2	Pharm. D	25	20	80

Sl. No	Programme	Total No. of Students	No of Students passed in 3rd Year (Batch – 2018)	Pass%
1	Pharm. D	29	Examination to be scheduled	
2	BDS	Yet to take exam	Nil	Nil

Sl. No	Programme	Total No. of Students	No of Students passed in 1st Year (Batch – 19)	Pass%
1	Pharm. D	31	25	80.64
2	BDS	56	54	96.42

Sl. No	Programme	Total No. of Students	No of Students passed in 2nd Year (Batch – 19)	Pass%
1	Pharm. D	34	Examination to be scheduled	
2	BDS	Yet to take exam	Nil	Nil

UG Programmes

Sl. No	Programme	Total No. of Students	No of Students passed in 4th Semester (Batch – 2018)	Pass%
1	B.Sc (Hons) PCMSCE	13	13	100
2	B.Sc (Hons) BT	47	47	100
3	B.Sc (Hons) FPT	55	55	100
4	B.Sc (Hons) MRIT	20	20	100
5	B.Sc (Hons) DTT	6	6	100
6	B.Sc (Hons) OTT	10	9	90
7	B.Com (Hons)	38	36	94.7
8	BBA	53	53	100

Sl. No	Programme	Total No. of Students	No of Students passed in 5th Semester (Batch – 2018)	Pass%
1	B.Sc (Hons) PCMSCE	13	11	84.61
2	B.Sc (Hons) BT	48	47	97.91
3	B.Sc (Hons) FPT	54	52	96.29
4	B.Sc (Hons) MRIT	20	19	95
5	B.Sc (Hons) DTT	6	6	100
6	B.Sc (Hons) OTT	10	8	80
7	B.Com (Hons)	38	35	92
8	BBA	53	49	92

Sl. No	Programme	Total No. of Students	No of Students passed in 2nd Semester (Batch – 2019)	Pass%
1	B.Sc (Hons) PCMSCE	19	18	94.73
2	B.Sc (Hons) BT	56	55	98.21
3	B.Sc (Hons) FPT	65	59	90.76
4	B.Sc (Hons) MRIT	30	30	100
5	B.Sc (Hons) DTT	21	21	100
6	B.Sc (Hons) OTT	19	19	100
7	B.Sc (Hons) CCT	30	30	100
8	B.Com (Hons)	32	30	93.75
9	BBA	92	66	71.7
10	B.Sc (Hons) Optometry	9	9	100

UG Programmes

Sl. No	Programme	Total No. of Students	No of Students passed in 3rd Semester (Batch – 2019)	Pass%
1	B.Sc (Hons) PCMSCE	19	12	63.15
2	B.Sc (Hons) BT	53	48	90.56
3	B.Sc (Hons) FPT	65	60	92.3
4	B.Sc (Hons) MRIT	30	25	83.3
5	B.Sc (Hons) DTT	21	20	95.2
6	B.Sc (Hons) OTT	19	17	89.4
7	B.Sc (Hons) CCT	21	30	70
8	B.Com (Hons)	32	29	91
9	BBA	98	80	81
10	B.Sc (Hons) Optometry	9	8	88.8

Sl. No	Programme	Total No. of Students	No of Students passed in 1st Semester (Batch – 2020)	Pass%
1	B.Sc (Hons) PCMSCE	61	30	47.54
2	B.Sc (Hons) BT	53	43	81.13
3	B.Sc (Hons) FPT	58	41	70.68
4	B.Sc (Hons) MRIT	28	18	64.2
5	B.Sc (Hons) DTT	11	5	45.4
6	B.Sc (Hons) OTT	20	15	75
7	B.Sc (Hons) CCT	31	24	74.4
8	B.Com (Hons)	59	36	61
9	BBA	119	61	51
10	B.Sc (Hons) Optometry	17	10	58.8

PG Programmes

The details of the student performance that were discussed in PAB as shown below:

Sl. No	Programme	Total No. of Students	No of Students passed (Batch – 2018)	Pass%
1	M. Tech	139	116	83.45
2	M. Des	08	08	100
3	M. Pharm	34	31	91.11
4	MBA	120	108	90
5	MHA	28	24	85.7
6	M. Com	16	16	100
7	M.Sc.	19	16	84
8	MDS	32	Yet to announce results	
9	MHA	28	24	85.7

5th Convocation (Monday, 22 February 2021)

5th Convocation (Monday, 22 February 2021)	
Faculty	**UG, PG and PhD. Students Graduated**
Faculty of Art & Design	**48**
Faculty of Dental Sciences	**93**
Faculty of Engineering & Technology	**497**
Faculty of Hospitality Management and Catering Technology	**113**
Faculty of Management & Commerce	**157**
Faculty of Mathematical and Physical Sciences	**18**
Faculty of Pharmacy	**121**
Total Students Graduated	**1047**

Annexure 6
Ph.D. Scholar Details

Ph.D. Scholar Details of September 2020 Batch

Faculty of Engineering and Technology

Sl. No.	Name of the Scholar	Mode of Study	Area of Research Interest
1	Syed Ameeruddin	Full Time	Computer Science
2	Manash Sarma	Part Time	Computer Science Engineering
3	Rajesh Purvankara	Part Time	Computer Science Engineering
4	Samahit Mohanty	Part Time	Computer Science Engineering
5	U.Viji	Full Time	Power Electronics
6	Shakthipriya	Part Time	Electronics and Communication Engineering
7	Anvesh Kumar	Part Time	VLSI Design
8	Vatsla Bhatnagar	Part Time	Electronics and Telecommunication Engineering
9	Prafulla Kumari Kannangala Siddaiah	Part Time	Electronics and Instrumentation Engineering
10	Meghana T. V.	Part Time	Aerospace
11	Sudha B.	Part Time	Electrical and Electronics Engineering
12	Bhargav	Part Time	Mechanical Engineering
13	Arun Chakravarthy	Part Time	Mechanical Engineering
14	Ram Kumar R.	Part Time	Mechanical Engineering
15	Naveen Kumar K. H.	Part Time	Mechanical Engineering
16	Abhilash N.	Part Time	Mechanical Engineering
17	Praveen Kittali	Part Time	Mechanical Engineering

Faculty of Dental Sciences

18	Panna Mangat	Part Time	Regenerative Endodontic
19	Arshiya Shakir	Part Time	Pedodontics and Preventive Dentistry
20	Aswini Y. Balappanavar	Part Time	Public Health Dentistry

Faculty of Life and Allied Health Sciences

21	Arya M. B.	Part Time	Allied Health Science
22	Avinash Vasudev Prabhu	Part Time	Allied Health Science
23	Tejaswini Darukaradhya B. D.	Part Time	Allied Health Science
24	S. Harini	Full Time	Biotechnology or Biochemistry
25	Varshaa O. Arer	Full Time	Microbiology
26	Ranjini S.	Full Time	Biotechnology
27	Sheela Rani Udgata	Full Time	Allied Health Science
28	Reedhika	Part Time	Biotechnology
29	Pushpa B. N.	Part Time	Biotechnology
30	Mohd. Aslam Aga	Part Time	Biotechnology
31	Lekhana S. M.	Full Time	Allied Health Science
32	Chaitradeepa G. Mestri	Full Time	Food Technology
33	Akki Suma	Full Time	Allied Health Science
34	Ayeesha Kausar	Part Time	Food Technology
35	Priyadarshini Chidambaram	Part Time	Allied Health Science
36	Jyoti Prakash	Part Time	Public Health
37	Nisha R.	Part Time	Public Health

Faculty of Management & Commerce

38	Sudharani R.	Part Time	Finance
39	Ajay R.	Part Time	Taxation
40	Savitha Kulkarni	Part Time	Finance

Faculty of Pharmacy

40	Amith Bounsle N G	Full Time	Pharmacy - Pharmaceutics
41	Manisha Devi D.	Full Time	Pharmacology

Faculty of Mathematical and Physical Sciences

42	Shashanka H. M.	Full Time	Chemistry
43	Akshatha Chandrashekar	Full Time	Chemistry
44	Madhushree Shridhar Hegde	Full Time	Chemistry
45	Udayan Gupt	Part Time	Chemistry
46	Razmi Das	Full Time	Physics
47	Sikandar H. Dhannur	Part Time	Physics
48	P V Sudharani	Part Time	Physics
49	Sushma Athokpam	Full Time	Physics
50	Akshay Arjun	Full Time	Physics

School of Social Sciences

51	Sweta Kumari	Part Time	Migration

Annexure 7
Details of Patents

Details of Details of Patents Filed during 1 April 2020 to 31 March 2021

Sl. No.	Patent No.	Title of the Invention	Inventors	Faculty	Date of Filing
1	202041055633	Automation of Odontogenic Keratocysts and Non-Keratocysts based on Incisional Biopsy	Divya B. S. Roopa Rao Kishore S. M. Kirti Shankar, M. Spoorthi P. Sinchana G. S.	FET	21 December 2020
2	202041056805	Digital Up – Converter for Multiple Channels including Multistage Non-Blocking Switch, Sigma Delta Noise Minimization and DAC Transfer Function Compensation	Govind, R. Kadambi Dipayan Mazumdar Imran Ashraf Mohammed Salman Baig	FET	29 December 2020
3	202041055632	Permanent Magnet Switched Repulsive Motor for High Torque and Autonomous Mobile Power Supply Unit	Abhinandan U. Naik Anusha Vadde Manickavasagam K.	FET	21 December 2020
4	202041055908	A Novel Adaptive Information Extraction System using Deep learning Technique and Neural Networks	Sudhir Kumar Patnaik Narendra Babu C.	FET	22 December 2020
5	202041057287	Reconfigurable RF Receivers	Govind, R. Kadambi Dipayan Mazumdar	FET	30 December 2020
6	202041055905	Smart Wearable Emotion Support System	Narendra Babu C. Soumya Jyoti Reychaudhuri Soumya Manjunath Chithra Priya Srinivasan Swathi N. Sushma S. Nitin Bhushan K. N.	FET	22 December 2020
7	202041055630	Conical Shaped Electromagnetic Energy Harvester	Prajwal K. T. Manickavasagam, K. Naveen Kumar T.	FET	21 December 2020
8	202041056806	Method, Device and Apparatus for DAC Transfer Function Compensation	Govind, R. Kadambi Dipayan Mazumdar Imran Ashraf Mohammed Salman Baig	FET	29 December 2020

9	202041056119	Method, Device and Apparatus for Quantification of Pavement Distress	Uday Shrihari P. Chandanshree N. S. Yateen Lokesh Prakash P.	FET	23 December 2020.
10	202041055631	Wideband Quadrature Power Divider	Varun D. Govind R. Kadambi	FET	21 December 2020
11	202041055904	Intranasal Drug Delivery System Targeting Migraine	Bharath S. Aishwarya R. Anbu J.	FPH	22 December 2020
12	202041055909	Mouth Dissolving Polyherbal Films for Oral Hygiene	Ashoka Babu V. L. Sharon Caroline Furtado Kamatchi Sundara Saravanan	FPH	22 December 2020
13	202041055907	Enhanced Brain Permeation of Thiolated Chitosan-Centella Hybrid Nanocomposite	Haroon Banu Hajira Dhrubojyoti Mukherjee Anbu J.	FPH	22 December 2020
14	202041055906	An Anti-Diabetic Polyherbal Transdermal Patch For Navel Route of Administration	Gowri R. Deveswaran R.	FPH	22 December 2020
15	202041056118	Anti-Fungal Niosomal topical Spray of Voriconazole	Vijaykumar S. Vemali Basavaraj B. V.	FPH	23 December 2020
16	202041056807	Raft Forming System for Gastro-Retentive Delivery of Selected Anti-Epileptic Drug	Bharath S. Vaishali Sharma	FPH	29 December 2020.
17	202041055629	Phosphate Buffer Decalcifying Agent for Dissolution of Pulp Stones	Kavimalar Dinesh Shruthi Nagaraja Bharath S.	FDS	21 December 2020
18	202041055628	Smart Bracket Positioner	Roshan M. Sagarkar Padmanathan R. Padmini Vaddavalli Shaika Tabassum	FDS	21 December 2020
19	202041023875	Ozonated Water Hand Wash System	Sundaresh D. C.	FLAHS	08 June 2020
20	202041031791	Covid-19 Thermal comfort Head gear for COVID Suit	Sundaresh D. C.	FLAHS	07 July 2020

Details of Patents Awarded during 1 April 2020 to 31 March 2021

Sl. No.	Patent No.	Country	Title of the Invention	Inventors	Faculty	Awarded Date
1	3,36,736	Indian	Pharmaceutical Composition Glucosamine Sulphate and Permeation Enhancer	S. Bharath Patel Nilesh Jasvant Bhai	FPH	12 May 2020
2	3,53,786	Indian	Thiolated Scaffold Based 5-Fluorouracil Loaded Nanoparticles	Sachin S. Bhat Dhrubojyothi Mukherjee Anita Murali	FPH	16 December 2020
3	3,55,494	Indian	A Fixative Solution for Tissues	Roopa S. Rao Shankargouda Patil Ganavi B.	FDS	07 January 2021
4	325296-001	Indian	A Cement Dispenser for Dental Application Dispensing the Powder and Liquid Components in Exact Ratios	Shruthi N. Dakshath Prasad Jembige Shwetha V.	FDS	01 January 2021
5	3,57,867	Indian	Pharmaceutical Composition of Nasal Insert Comprising Cinnarizine, Mucoadhesive and Drug Retardant Polymers	S. Bharath Manoj B. Kulkarni	FPH	05 February 2021
6	3,60,017	Indian	Benzimidazaole Derivatives of Paracetamol as Potential Analgesic, Antipyretic and Anti-Inflammatory Agents	Judy Jays K. Raju	FPH	03 March 2021

Annexure 8
Software List

List of software procured during March 2020 – April 2021

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)
- U V –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