Bapuji Educational Association®

# J.J.M. Medical College

(Recognised by the Medical Council of India, New Delhi, Vide No. MCI-34(1)87-Med./12101 dt. 6-8-1987)

DAVANGERE-577 004, KARNATAKA, INDIA

JJMMC



# ARIVU

"Empowering Young Minds"

# New Anatomy Block



Goddess of Knowledge




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# Pillars of JJMMC

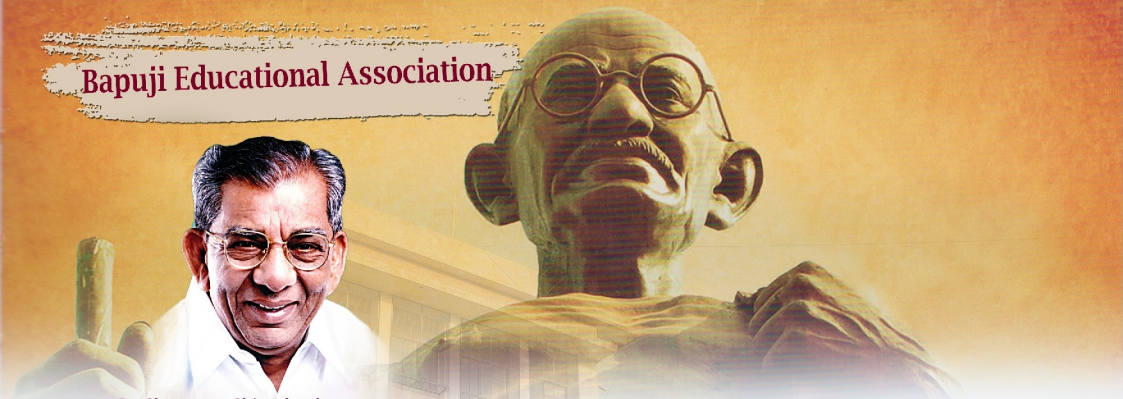


**Dr. Shamanur Shivashankarappa**
Honorary Secretary, Bapuji Educational Association(Regd.)
Chairman, J.J.M.Medical college.
MLA, Davangere (South)



**Sri. S S Mallikarjun**
Joint Secretary, Bapuji Educational Association(Regd.)
Chairman, Bapuji Hospital, Davangere.
Chairman, S.S.J.M.S. & RC

# Bapuji Educational Association



**Dr. Shamanur Shivashankarappa**
Honorary Secretary, Bapuji Educational Association
Chairman, J.J.M.Medical college.
MLA. Davangere (South)

Bapuji Educational Association (BEA) rightly named after the father of our nation "Bapuji", was the brain child of a team of spirited philanthropists lead by visionary Dr.Shamanur Shivashankarappa and found its inception in the year 1958 following the inspirational foresight of Pandit Jawaharlal Nehru. As a devoted freedom fighter and the first Prime Minister of free India, Nehru strongly believed that the only powerful weapon that can drive out illiteracy and poverty was education which should reach every Indian through "Temples of Wisdom" as he duly referred educational institutions as.

With such an ignited root, Bapuji Educational Association in over 60 years of her livelihood has not only branched out the shoots into many fields of education but also ensured quality in every step. From corporate science to health care science, the association has left a mark in the entire venture and the banner gives through competition to her peers in the country.

Today BEA is a global face which attracts students from overseas who choose to pursue their education in her shadow of tradition and pose.

# Principal's Message



*It gives an immense pleasure to congratulate you all for having secured medical seat and you rightly deserve this as you have earned it with hardwork. I bring to you this foundation course for 1st year MBBS students of 2021 – 2022.*

*We the people of JJM medical college warmly welcome you all to the JJM family which has more than 15000 alumini spread all over the globe , which has vision to encourage academic growth of its students by promoting research, sports and extracurricular activities.*

*The course will essentially comprise a variety of topics which includes MBBS course curriculum, examination pattern, the concept of indian medical graduate given by NMC (MCI).*

*You will also have a sneak exposure to study techniques, stress management, time manangement, communication skills, utilization of library and online resources to name a few.*

*This foundation course, I believe will open up a gateway for continuous on-going interaction betweean you people and our faculty team.*

*This course will be a laying of strong foundation in you, the learner, upon which you will build yourself into a leader in the health profession over the next five and half years.*

*I hope you will find your experience over the next five and half years exciting and rewarding. Studying in JJMMC is truly a unique experience. Our commitment to push the boundaries of knowledge for the common good will earns national and world wide accolades.*

*I request the parents to guide their wards to make the best use of these facilities and discourage from distractions. Your guidance and support will help us to carve a bright and illustrious career for your ward.*

*REMEMBER – SELF BELIEF AND HARDWORK WILL ALWAYS EARN YOU SUCCESS.*

***I wish you all good luck as you begin your journey of becoming future competent great doctors of tomorrow.***

**Dr. S.B. MURUGESH**

# J.J.M. Medical College

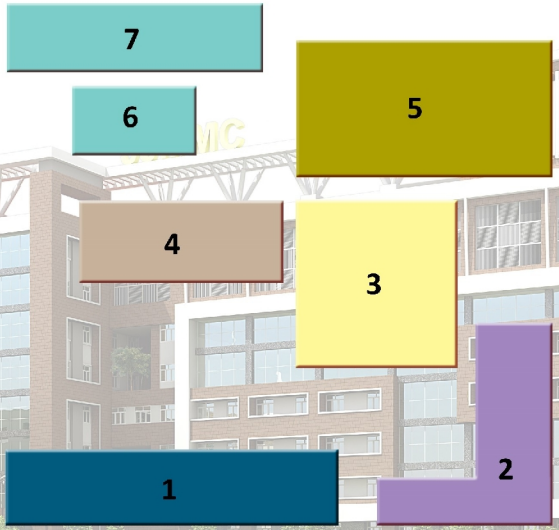
Jagadguru Jayadeva Murugarajendra Medical College, Davangere, Karnataka, was founded in 1965. It is a premiere Institution of the Bapuji Educational Association imparting allopathic medical education in Undergraduate, Postgraduate and Diploma levels. It is currently affiliated to Rajiv Gandhi University of Health Sciences, Karnataka, Bengaluru. MBBS, Postgraduate Degree and Diploma Courses offered by the Institution are RECOGNISED by the MEDICAL COUNCIL OF INDIA.

The Institution is striving hard to develop a Health Task Force at all levels of healthcare delivery system through the government as well as private hospitals.



# Bird View

1 Administration Block
2 Bapuji Hospital
3 O T Complex
4 Hostel
5 OPD/BCHI/Library
6 Dissection Hall
7 Anatomy Block



# Vision & Mission



## "VISION"

To impart quality medical education of global standards, provide comprehensive patient care at community level and promote research.

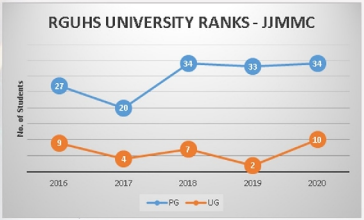
## "MISSION"

- To achieve excellence in medical education by incorporating learner centric approach, to create doctors who are locally relevant and globally competent.
- To achieve excellence in health care services by upgrading the existing infrastructure and establishing newer modalities of therapy at affordable prices to the patients.
- To extend our reach to communities with poor access to basic health care facilities through community clinics and health camps.
- To provide opportunities for quality research for students and faculty.



# University Ranks

Students studying at JJM Medical College have consistently brought laurels to the institute and their parents by excelleing in RGUHS university examinations by securing ranks.






# J J M MEDICAL COLLEGE, DAVANGERE.

HEARTY CONGRATULATIONS TO THE PRIDE JEWELS IN THE CROWN OF JJMMC.
RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES, KARNATAKA, BANGALORE

## RANK HOLDERS - 2020

## P. G. Rank Holders


Dr. BALEDO SINCHURA REDDY
M.D(Emergency Medicine)
1st Rank


Dr. SWASTHIK UPADHYA P
M.D(General Medicine)
1st Rank


Dr. PATEL UDIT DINKARBHAI
M.S (Orthopaedics)
1st Rank


Dr. MEGHA R G
M.S(O.B.G)
2nd rank


Dr. NAZREEN M BILAGI
M.S(O.B.G)
2nd rank


Dr. AVANTA MLEKANI
M.D(Pathology)
2nd rank


Dr. SANJANA S N
M.D(Community Medicine)
3rd rank


Dr. RICHA SINGH
M.D(Dermatology)
3rd rank


Dr. ANUSHA GINJUPALLI
M.S(O.B.G)
3rd rank


Dr. AJAY S S
M.S (Orthopaedics)
3rd rank


Dr. THIRUMAL R T
M.D(General Medicine)
5th Rank


Dr. STUTI LOHIA
M.D(Anaesthesia)
6th Rank


Dr. MANISH R
M.D (Orthopaedics)
6th Rank


Dr. CHAITANYA R T
M.D(Dermatology)
7th Rank


Dr. NIDHIN S B
M.S(ENT)
7th Rank


Dr. NIKITHA RAJ S N
M.D(Paediatrics)
7th Rank


Dr. FAHD RAHMAN C N
M.D(Radio-Diagnosis)
7th Rank


Dr. SEERAMREDDI SANDEEP
M.Ch(General Surgery)
7th Rank


Dr. SPOORTHY P
M.D(O.B.G)
8th Rank


Dr. HIMA BHATT
M.S (Ophthalmology)
8th Rank


Dr. SHIVAKUMAR N
M.D(General Medicine)
10th Rank


Dr. MEGHANA S
DNB(O)
1st Rank


Dr. SHANTHALA R M
DGO
1st Rank


Dr. JAIN AVI VINOD
DNB(O)
2nd Rank


Dr. D. VISHAKHA SHANTANU
DGO
2nd Rank


Dr. AJAY G
DCH
3rd Rank


Dr. SHREYAS K
ELO
3rd Rank


Dr. AJITH PARTHA
OPM
3rd Rank


Dr. BASAVARAJ M M
DCH
4th Rank


Dr. YASHODHA H V
DGO
4th Rank


Dr. ARSHI FARISTA
DGO
5th Rank


Dr. GUNASHREE K M
DOMS
6th Rank


Dr. SAHANA C M
DNB(O)
7th Rank


Dr. ABDUL KALAM SHAREEF A K
DNB(O)
8th Rank

## U. G. Rank Holders


MEGHANA B.M.
Anatomy
7th Rank


SHIVANI NAG
Pathology
3rd Rank


MEGHANA V.
Community Medicine
7th Rank


SHAYNNA BANSAL
Pharmacology
10th Rank


NAMRATTA DEVAGEKAR
ENT
4th Rank


ROHITH NARAYAN Y. N.
ENT
10th Rank


S. GAYATHRI
ENT
10th Rank


KAVANA S.
Medicine
3rd Rank


PRAKRUTHI HARIHAR
Medicine
6th Rank


MRUTHYUNJAYA. R.P.
Paediatrics
10th Rank

*With Best Wishes from:*

**MANAGEMENT & FACULTIES, J J M M C**

# College Committee

**Dr. S. B. MURUGESH**
PRINCIPAL

**Dr. M. G. RAJASEKHARAPPA**
DIRECTOR
GENERAL ADMINISTRATION

**Dr. MANJUNATH ALUR**
DEAN
RESEARCH & DEVELOPMENT

**Mr. SATHYANARAYANA T.**
DIRECTOR
ADMINISTRATION

Arivu | Staff List | Curriculum


ನಮಿಸಿ ಬಾ ಒಳಗೆ ದೇವಾಲಯವಿದು ಪುಸ್ತಕ ಕಾಶಿ
TEMPLE OF KNOWLEDGE
SECURITY
JJMMC LIBRARY & INFORMATION CENTRE
S.S.DIGITAL LIBRARY

# Library & Information Center



Library and Information Center was established in 1965 and housed at the third floor of the Bapuji OPD Block. It is a repository of medical knowledge and has become an integral part of the Institution. It is rich in its collection over the past five decades. The Library has a long history, starting with closed-access of earlier times to the present-day hybrid, digital and Electronic Library that uses the latest technology for provision of information through various services with dedicated Library Staff. The Library assists Physicians, Health Professionals, Undergraduate/Postgraduate students and Medical researchers in finding health and scientific information to improve, update, access or evaluate healthcare regarding new inventions and latest treatments of better patient care.

Library and information Center accommodates 1,260 readers at a time with 66432 Sq Ft of total floor area spread over two floors with 10 Reading Halls. It has bright, spacious and airy reading areas. The Library has provision for Textbook section, Periodical section, Reprographic section, Staff and Current Periodical section, Personal Books Reading section for UGs and PGs, Back and Bound Volume space, PG section with Dissertation, Audio visual section, and S.S Digital Library.

**S.S. Digital Library**

S.S. Digital Library and Internet browsing centre was established in 2003. It is equipped with NT platform with 36 nodes and unlimited internet access facility round-the-clock.

*N-COMPUTING FOR ACCESSING ONLINE MEDICAL LITERAUTE*

# Library & Information Center

Library and information Center has become a member of Rajiv Gandhi University of Health Sciences HELINET Consortium to access e-journals and e-resources. The Consortium subscribes to e-journals and e-resources representing Science Direct, Clinical Key, LWW, BMJ, Oxford University Press, Proquest, Pubmed, Cochrane Library, JP Digital and so on. S.S. Digital Library provides the faculty members and postgraduate students user friendly gateway solutions for Clinical Keys data base under HELINET Consortium. It is available in single user interface and 24x7 modes from Home, Office or anywhere.

## Book Bank Facility

The Library issues books to undergraduates and postgraduates of SC/ST students only. This service is without any charges. The students are required to produce the Caste Certificate to avail the facility.

## Working Hours

Library will be functioning between 10 AM and 10 PM on all working days and between 9 AM and 2 PM on Sundays and Holidays. However, two months prior to the examinations and also during examinations the Library will be kept open from 10 AM to 12 Midnight and on Sundays and Holidays from 9 AM to 9 PM.

## Library Resources

Library subscribes 176 Current Periodicals, with 127 National and 49 International. Library has a total collection of 33,546 books, 17,488 Back and Bound volumes of Journals.

## Library Automation

Easy Lib Web version software is used for automation. This software has facility for Cataloguing, Circulation, Acquisition, Serial Control and OPAC modules.





# RGUHS subscribed e-resources under HELINET Consortium

**1. www.rguhs.ac.in**

HELINET - Health Science Library & Information Network conceived by the RGUHS since 2002. The HELINET Consortium was started with a vision to improve the quality of education and research in the colleges affiliated to RGUHS in the state of Karnataka through enhanced access to high quality medical literature. Users can access Post graduates degree and Under graduate Old question papers of all faculties and Post graduates Dissertation and Doctoral thesis of all Faculties at RGUHS Digital Library..

**2. ClinicalKey - Books and Journals**

https://www.clinicalkey.com/#!/

ClinicalKey supports healthcare professionals and students with the latest evidence across specialties in a variety of formats, including full-text reference books and journals, point-of-care monographs, drug information, videos, practice guidelines, customized patient education handouts and more.

**3. ProQuest**

https://search.proquest.com/62977

ProQuest One Academic brings together four core multi-disciplinary products, allowing access to the world's largest created collection of journals, e-books, dissertations, news and video.

**4. UpToDate**

www.uptodate.com

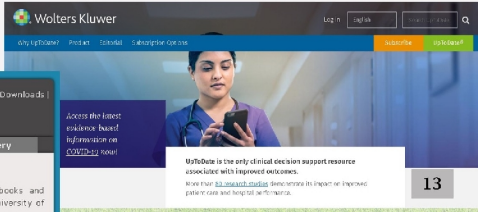
UpToDate is a subscription-based resource designed to provide physicians access to current clinical information. It addresses specific clinical issues in the form of topic reviews. According to UpToDate, it "is designed to get physicians the concise, practical answers they need when they need them most—at the point of care." Topic reviews are written by physician experts who review the literature, then synthesize the information into specific recommendations for diagnosis, management, and therapy.

**5. Jaypee Digital**

www.jaypeedigital.com

Jaypee Digital is Academic brings together four core multi-disciplinary products, allowing access to the world's largest created collection of journals, e-books, and videos.



# E-Campus

## CAMPUS MEDICINE

Campus Medicine is a web-based application. It establishes a common and continuous platform between four stakeholders: Management, Faculty, Parents, and Students. Campus Medicine eases out admission process, fees collection of course/ hostel/ mess/ transport, student/ faculty/ attendance issues, academic calendar issues, issues of maintaining student/ faculty/employee information and tracking, management Information system, greeting management, issues of sending instant news & events messages, Issues of exam scheduling and result announcement, maintaining student life-cycle. 360° view with Campus Medicine

## COMMUNICATION

Common and Continuous communication platform among all 4 stakeholders - Management, Faculty, Students and Parents.

1. System driven SMS/ email alerts/ messages
2. Multiple reports generation facility
3. Enhanced Stakeholder interaction

## SECURITY

Security at multiple levels with automated backup facility on specific hourly/ daily basis for complete data privacy and protection.

1. Security at all levels ( Role based, Code Based, Module, Form & Database)
2. Lesser number of intermediaries
3. Zero redundancy
4. Permanent data records

## INTERFACE

Simplified interface and automated workflow navigation for all stake holders facilitating ease of use.

1. Anytime anywhere accessibility
2. User friendly interface
3. SMS & IVRS support
4. Continuous hand holding



# Dr. Shamanur Shivashankarappa Centre of Excellence in Artificial Intelligence and Digital Health



Keeping in mind rapid advancements in health sector for use of Artificial Intelligence and Digital health technology for providing health care both in hospital and community settings a dedicated Dr. Shamanur Shivashankarappa Centre of Excellence in Artificial Intelligence and Digital Health has been set up.

The centre established in July 2019 has made significant progress and has mapped 60000 population in urban field practice area attached to JJM Medical College.

Various MoUs have been reached with international organisations and technology based companies. Focus area of work to start with will be on diabetes, diabetes retinopathy, Cardio Vascular diseases and breast cancer screening using non-invasive and highly accurate devices.

The project on diabetes retinopathy is very unique as it will utilise PEEK RETINA (Portable Eye Examination Kit) which has been imported from United Kingdom. The device is handy and can be attached to any smart phone to capture retinal image which can be transferred immediately online to Ophthalmology Department for reporting.





# Student Support & Care





## Counselling services

Life as a student has its own stresses and strains, and sometimes the need may arise to confide in, open up to, or seek guidance from someone. Student guidance & counselling cell is available at Library Block for students to discuss issues which may be academic or personal in nature.

## Mentorship Programe

Mentoring is a powerful personal development and empowerment tool. Through mentorship program mentors can inspire students to face the real life situations at academic as well as personal level. They set a role model for the young minds who are the bright future of tomorrow. In addition, it is seen that the mutual exchanges between the mentors and mentee provide a platform for the mentors to understand the mentees and institute principles and values to face whatever the future holds for them. The mentorship programme provides emotional support and serves as an anchor in times of need.

## Aims

1. Overall development of the Medical students as Doctors with humanitarian attitude.
2. To help the students to develop a holistic approach to life.
3. Academic achievements including progress in studies.

## Programe Design

1. All the students will be divided into groups of 10 (mentees) each.
2. Each group will be allotted to a specific mentor.
3. The faculty from all three departments will be the mentors.
4. Any academic and career related issues can be discussed with the respective mentor without any hesitation.
5. Specific time for mentoring sessions will be informed periodically on the departmental notice boards.

## Ethics in Medical Education

The current system of medical education, in which doctors in training and medical students participate in patient care, may expose patients to physical, psychological and economic risks, often without their full consent. Teaching of ethics in medical education ensures that medical students get a broad based, yet in depth understanding of how to handle ethical dilemmas in patient care at a practical level. This exposure to medical ethics is provided from the day a student joins the institute i.e., from foundation course throughout the student years as a part of syllabus. We provide a framework for ethical medical education by extending three key concepts - respect for individuals, beneficence and distributive justice.

# Medical Education Unit



## DEPARTMENT OF MEDICAL EDUCATION

Department of Medical Education was started in 2001.
The department of Medical Education at present is affiliated to MCI's Nodal Centre for faculty Development, Department of Medical Education, JNMC, Belagavi (From May 2011)

## MISSION

To improve the quality of Medical Education imparted in our college.

## OBJECTIVES

1. Sensitize teachers about new concepts in teaching and assessment methods.
2. Develop knowledge and clinical skills required for performing the role of a skilled doctor, competent and effective teacher, administrator, and researcher.
3. Update knowledge using modern information and research methodology tools.



# Research Activities

JJM Medical College has made honest efforts to make medical research a thrust area. Research is a priority across the campus. Every department carries out research projects which are presented in conferences and published in national and international journals. Several members of faculty along with both undergraduate and postgraduate students participate actively in research projects

**Some of the salient features of research at JJMMC are:**

- A dedicated research cell and committee to assist students
- Regular ICMR Short term Studentship (STS) Fellowship program
- RGUHS Studentship Fellowship program and faculty research grants
- Research projects sanctioned by RNTCP, Govt. of Karnataka.
- International Research project sponsored by Bill & Melinda Gates Foundation, USA
- We have two international ongoing projects, one sponsored by WHO (World Health Organization) and other by Ariadne Lab, Boston, USA in department of Neonatology
- We are also doing a project - Prevention of Parent To Child Transmission (PPTCT) training in 10 private medical colleges in collaboration with KSAPS and UNICEF
- Some of the other projects are on use of thermalytix for breast health, Link ART centre, tele- ECG project, project on Diabetic retinopathy at urban health training centre, and role of foldscope (paper microscope) in vector transmitted diseases.
- Yearly research methodology workshop is carried out by medical education unit
- Undergraduates and post graduates students are encouraged to do paper and poster presentations in conferences.

**Research recognitions:**

a) Department of Pathology - Asia's first recognised centre for training in Minimally Invasive Tissue Sampling (MITS) technique.

b) Research site for funded projects like
   - WHO labour care guide
   - Low birth weight feeding exploration (LIFE)
   - Step-Mag project.



Jagadguru Tontadarya Educational Association®

J.J.M. MEDICAL COLLEGE

DAVANGERE-577 004, KARNATAKA, INDIA

Research Compendium

# International Collaborative Research Project

JJM Medical College is well known for its significant contribution made in field of research and special emphasis is given for under graduates to undertake research. Faculty involvement in research can be assessed by the fact that more than 500 research publications have been done in peer reviewed journals.

Faculty are involved in various multicentric and single site research which are funded by international organisations and Government bodies.

Till date more than 50 funded projects have been implemented by various departments. In order to ensure update of faculty and students departments organise conferences, CME , Workshop and guest lectures on regular basis.

JJM Medical College in collaboration with RTI International, USA and J N Medical College Belgaum is implementing "Study of Cause of Death among Preterm Birth: Asia" with funding from Bill & Melinda Gates Foundation, USA.







Inaguration of Bill and Melinda Gates funded "Study of Cause of Death among Preterm Birth: Asia"



## Health camps organized by JJM Medical College, Davanagere and S S Care Trust ®

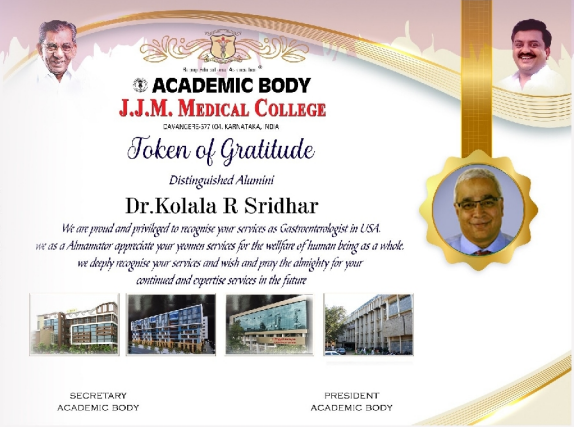



*Reaching the unreached*

# JJMMC Alumni Page

### JJMMC ALUMNI PAGE

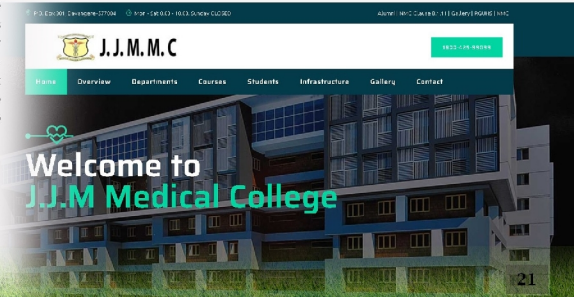
As you are aware we started our college way back in 1965 and so far more than fifteen thousand doctors (undergraduates & postgraduates) have passed out from JJMMC with flying colors. JJMMC has alumni spread out all over the world. We are extremely proud and privileged to recognise their services in various specialties for the welfare of human being as a whole. We have a dedicated user-friendly web page in our website www.jjmmc.org for registration of our alumni. We regularly invite our alumni throughout the globe to impart guest lecture/webinars to our faculty, undergraduates and post graduates students. This will be beneficial for our students and guide them for their career in future.




# JJMMC Website

### JJMMC WEBSITE

We have a dedicated college website www.jjmmc.org. It has all information about the college. Its a useful site for new joinees as it gives quick and easy access to the students on various departments, faculty, courses offered, a separate section for students, our infrastructure and gallery. All events that occur regularly in the campus are updated on the college website. We have also a link to NMC and RGUHS university for the benefit of the students. All circulars from both the college and RGUHS are also uploaded to the website for easy access and timely information to all. You can also find the link to download the softcopy of ARIVU in our website.



# Sports & Cultural Activites

JJM Medical College encourages students' active participation in sports so as to ensure students develop leadership quality, personality development, stress relief and team spirit.

Our college, J J M Medical College was the R G U H S overall champion in sports for the year 2017 – 18. 28 students from our college represented R G U H S University sports team in various sports during the year 2017 – 18. 17 students from our college represented R G U H S University sports team in various sports during the year 2018 – 19. Our college is having good competitive teams in almost all sports and games conducted by R G U H S, namely Football, Volley ball, Throwball, Chess, Cricket, Netball, Basketball, Kabaddi, Kho-Kho, Shuttle Badminton and more. We also have individual Champions in Cross Country, Athletics, Aquatics (Swimming), Tennis, Body Building, Weight lifting, Power lifting and many other. Regularly our College is conducting, Zonal, Inter zonal,State level events of R G U H S. Coaching camps for R G U H S University teams are also conducted by our college regularly.

This year (2021-22) our college students represented RGUHS in various sports & Games. In All India University South Zone Championship, Sougandhika & Chinmayi Hiremath represented RGUHS Basketball Womens team. Dr. Pallam represented RGUHS Kabaddi Men team. Chandan represented RGUHS Basketball Men team. Dr.Raksha R. & Dr. Gayathri.N. represented RGUHS lawn tennis Women team.













# Skill Lab



Clinical skills are an important and necessary part of clinical competence. Simulation plays an important role in many fields of medical education.

JJMMC has its dedicated Skill Lab which imparts progressive training of psychomotor skills for medical students across all phases.

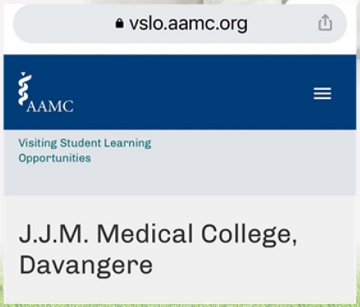
# International Students exchange programme

JJMMC has affiliation with of AAMC (Association of American Medical Colleges) Visiting students Learning Opportunities (VSLO) programme. This programme enables medical students to pursue short-term learning opportunities in locations away from their home country. Students can peruse this short term programme during their internship in approved instructions in the United States of America and other approved institutions around the globe.

The VSLO programme helps medical students connect with institutions offering short-term elective opportunities that enhance their medical education. These elective opportunities include observership, summer research programme, clinical opportunities, away rotations and visiting opportunities. These opportunities are available in teaching hospitals, community clinics, and urban or rural sites. So far more than 35 of our interns have availed this opportunity. This will be beneficial to students who are planning to take up their higher studies in US.







# Guidelines to Students

## Academic Issues

You might have entered this college/course by choice, by force or accidentally. Resolve these issues fast and move ahead.

Attendance in classes, practical, dissection, other teaching programs, internal assessments and clinical teaching in wards is compulsory. Practical and dissection may not be repeated if missed.
If you are unable to attend the classes, take prior permission from the authorities citing the reason and the period of absence.

Poor attendance and poor performance in internal assessment will not entitle you to appear for university exams. Passing separately in theory and practical is mandatory.

Do not create any disturbance in any teaching program.

As syllabus is vast, study right from the beginning by making a workable time table and avoid memorizing. Understand concepts and express them in your own words. Clarify doubts then and there by referring to books and by asking classmates, seniors and teachers.

Revision and discussion help you to remember better.

Errors while performing on stage can be minimized by adequate preparation, rehearsal and repeated performances. Actively participate in tutorials and other academic discussions.

Do not avoid your teachers. They should be familiar with you, able to recognize you by name preferably.

Maintain punctuality and discipline. Keep your practical records and other assignments up to date and submit them on time.

Handle laboratory equipment and library books with due care

Work hard now so that you can enjoy later. Otherwise you will have to work hard when you should be enjoying.

Student should have a minimum 75% attendance in both theory and practical separately to appear for all 3 internal exams. Any shortage in attendance will be viewed strictly.



# Guidelines to Students

## Non - academic Issues

Accept the city of Davanagere with all its inadequacies, since it is your place of stay for next 5 years and 6 months. It provides adequate avenues for entertainment, sports and socio cultural activities. Make optimum use of them.

If you are staying in hostel for the first time, make necessary adjustments regarding timings, food in the mess, common toilet and learn to live with roommates harmoniously.

Keep your hostel room clean and do not disturb other inmates. Conserve water.

Home sickness is common and inevitable to a certain extent. Overcome it by making new friends and by limiting home visits and discussing the same with others.

Adhere to the dress code that is prescribed.

Give due respect to teachers, other staff of the college and your classmates and also maintain cordial relationship with them.

Talking and laughing aloud, shouting in the campus, moving around in groups obstructing the corridors, staircases and doorways, walking by holding each-other's hands, walking with hands over other's shoulder and sitting on the bed in wards are to be avoided.

Any free time during college hours can be spent in the college library than in coffee shop or at scooter stand.

Students staying outside the campus should take prior permission from the principal.

Mobiles and other valuables should be kept in the lockers provided in front of Anatomy Dissection Hall.

Students found carrying mobile phones in classroom will be **penalized and viewed seriously.**



# Dress Code

| Boys | Girls |
|---|---|
| Formals with Apron, Shoes, Name Plate. | Sari/Chudidar with Dupatta Apron, Name Plate. |

***Students should strictly adhere to the Dress Code***



## Guidelines for Parents

Kindly keep a watch on the academic performance of your ward. You are free to meet any of the teachers concerned for a feedback on it.

Please discourage your ward from overstaying at home after the vacation declared by the college.

Any problems faced by your ward inside or outside the college should be brought to the notice of the authorities concerned at the earliest.

Kindly ensure that all payments to the college with regard to the educational expenses of your ward (tuition fees, hostel fees and mess bill) are made directly to the college within the stipulated time.

Any disciplinary action initiated by the College authorities is only for the good of students and it is to be taken in the right spirit and complied with.

Kindly discourage your ward from using any addictive substance and indulging in any addictive behaviour like excessive use of mobile phones, facebook, chatting on internet, computer games and other entertainment activities.

Your active cooperation is needed in helping your ward to come out in flying colors from this Institution.



# Policy on Ragging

### Drug/substance Abuse:

The Medical Students are vulnerable to substance abuse due to their ready accessibility to the substance of abuse in the hostels with their seniors. Medical training is identified as full of stress and it is also observed that students undergo tremendous stress during various years of medical training. Repeated use of drugs can damage essential decision making and effect judgment of actions. This could be disastrous if substance abusers are medical professionals who have direct dealing with human lives.

Studies conducted show that nearly one-fifth of medical students abuse at least one substance despite knowing the ill effects with the main predisposing factor being the psychological stress. Substances such as tobacco, alcohol, cannabis and various allopathic drugs have been widely abused by students for various reasons despite their known ill effects. Studies conducted worldwide including India have estimated a prevalence rate of substance abuse to be around 20-40 per cent among students from various streams including the medical field; however, these restrict themselves to tobacco or alcohol use and many of these are gender biased.

### Preventing Substance Abuse

1. Understand how substance abuse develops.
2. Avoid Temptation and Peer Pressure.
3. Seek help for mental illness.
4. Examine the risk factors.
5. Keep a well-balanced life.
6. Discuss & Seek help & counseling from college faculty

### Policy on Ragging:

The National Medical Commission (NMC) has framed new regulation to curb incidents of ragging in medical institutions. The National Medical Commission (Prevention and Prohibition of Ragging in Medical Colleges and Institutions) Regulations 2021, as per the direction of of the Hon. Supreme court of India.

Our institution strictly prohibits ragging in any form defined as per the draft of the NMC. We have zero tolerance towards ragging in the campus and the hostels.

1. Display of flex and boards in all the places of the campus and hostels saying "Ragging is an offence punishable under the law".
2. Students at the time of joining the college are to give an affidavit that they will not involve in Ragging during the course of their study at JJMMC.
3. Conduct of orientation program and creating awareness about the criminality & publicity of anti ragging measures & punishments as per various sections of IPC and Cr. pc.
4. An anti ragging committee is setup by the college which takes action if any student is found guilty of Ragging.
5. Anti ragging squad is formed which constitutes our faculty members who will monitor on a daily basis by surprise visits to hostels.
6. Anti ragging helpline number is setup to help and prevent incidence of ragging 24X 7.
7. Mentoring committee is working in each academic year to support the students and monitor them on weekly basis.
8. Hostel committees along with the wardens are accessible all the time and assure that no such untoward incidence of ragging occurs in the hostels.



# SAY NO TO RAGGING

## RAGGING IS A PUNISHABLE OFFENCE

### Don't Indulge in Ragging

**Don't Be A Mute Spectator To Ragging. Report Ragging Incidents Immediately**

**RAGGING IS ANY ACT RESULTING IN**

- Mental/Physical/Sexual Abuse
- Verbal Abuse
- Indecent Behavior
- Criminal Intimidation/ Wrongful Restraint
- Undermining Human Dignity
- Financial Exploitation/ Extortion
- Use of Force

**A STUDENT INDULGING IN RAGGING CAN BE**

- Expelled From the Institution
- Banned From the Hostel
- His/ Her Scholarship Can Be Withdrawn
- Debarred From Examination
- Denied Admission to Any Institution
- Prosecuted For Criminal Action
- Institution Have Been Asked To File FIR with Local Police against Those Who Rag/ Abet Ragging

TOLL FREE:- 1800 425 99099. COLLEGE:- 08192 253850 -859
PRINCIPAL:- 9448839306. Police Control Room : 100
COLLEGE RAGGING COMMITTEE CONVENOR:- Dr. Balu P.S. Mob 94483 55563
POLICE SUPERINTENDENT:- 9480803201. EXTENSION POLICE STATION:- 9480803249. VIDYANAGARA:- 9480803251

**KAVERI HOSTEL**
WARDEN:- Dr.Sarvamangala 9448667693
In charge Manager:- Smt.Geeta 9449984100

**SHARAVATHI HOSTEL**
WARDEN:- Dr.Usha M.G. 9448667233
In charge Manager:- Smt.Kalpana 9449434612

**BAPUJI HOSTEL FOR WOMEN**
WARDEN:- Dr. Mangala 9886765974

**SMT.RATNAMMA HOSTEL FOR WOMEN**
WARDEN:- Dr. Mangala 9886765974

**J.J.M.MEDICAL COLLEGE BOYS HOSTEL**
WARDEN:- Dr.M.G. Rajashekharappa
(Off) 08192 220029 (Resl) 08192 260204 , 260328,
Manager:-Mr.Shivamurthy 9845263798

**BAPUJI INTERNATIONAL BOYS HOSTEL**
WARDENS:-
Dr.Balu 9448355563
Dr.Tarun 9886210507
Manager:-Mr.Shivamurthy 9845263798

**BAPUJI INTERNATIONAL GIRLS HOSTEL**
WARDENS:-
Dr.Mangala 9886785974
Dr.Triveni 9449019711
Manager:-Mr.Shivamurthy 9845263798
In Charge Office Superintendent: Smt. Nagarathna 9480479288

**JOIN HANDS TO MAKE YOUR CAMPUS RAGGING FREE**



# Transportation Facility




In order to ensure safe commute between hostel and college and to take students for community based visits, college has 4 buses, two of which are Air-conditioned and all buses meet safety standards as per automobile rules.





# Brief about Davangere

The first name of Davanagere was "Devanagari" which gradually became Davanagere. Davangere is a city in the center of the southern Indian state of Karnataka. It is the seventh largest city in the state, and the administrative headquarters of eponymous Davangere District. Hitherto being a cotton hub and hence popularly known earlier as the Manchester of Karnataka, the commercial ventures of the city is now dominated by education and agro-processing industries.Davangere records an average temperature of 25° to 34°.

Davangere is known for rich culinary traditions which encompass the diversity of entire Karnataka's dishes due to its geographical position in the state as its epicenter. Notable among them is its aromatic benne dose that is associated with the name of the city.

Davangere has been selected as one of the hundred Indian cities to be developed as a smart city under Smart Cities Mission. It even went on to be featured in the list of first 20 cities to be developed under the mission by Urban development ministry.

- National Highway(NH) 4 (Connecting Mumbai to Chennai)
- NH 13 (Connecting Solapur to Mangalore)
- Connected to Bangalore, Goa, Mumbai through the Harihar- Davangere rail line
- The International Airport at Bangalore is at about 265 Kms; Domestic airport at Hubli is 127 Kms from Davangere.
- The nearest international sea port at Mangalore is 290 Kms away and Karwar is at 200 Kms distance from Davangere

| Nearest Airport (in Kms) | |
|---|---|
| Hubballi | 127 |
| Belagavi | 246 |
| Bengaluru | 265 |
| Mangaluru | 290 |
| **Nearest Seaport (in Kms)** | |
| Karwar | 200 |
| Mangaluru | 290 |
| Goa | 300 |



# Attached Hospitals

## HOSPITALS ATTACHED TO JJM MEDICAL COLLEGE

JJM Medical College has well equipped hospitals with state of the art facilities for providing health care and surgical procedures. College offers specialist services in all disciplines of medical field and several sub-speciality clinics are run by various departments. On an average daily more than 4000 patents access hospitals attached to JJM Medical College.

Hospitals have well established advanced diagnostic services and high priority is given to quality control and quality assurance.




**Bapuji Hospital**
**Bed Strength - 853**




**Bapuji Child Heath Institute**
**Bed Strength - 200**



# Attached Hospitals



OT Complex




Bapuji Hospital Eye Department

Bed Strength - 80

# Attached Hospitals

S S General Hospital




S T J Rural Hospital

# Attached Hospitals

Chigateri Dist. General Hospital

Bed Strength - 930





Women & Children Hospital

Bed Strength - 100

# Hostel Accommodation




**Bapuji International Boys Hostel**

**Total strength 139**
**Contact: 08192-224611**

**Bapuji International Girls Hostel**

**Total strength - 96**
**Contact: 08192-225846**

The College provides hostel accommodation for male and female students inclusive of basic furniture. Administration/discipline at the hostels is governed by the Hostel Rules. These are binding on all students and their infringement may result in disciplinary action. The cost of any damage to hostel property will have to be paid by the hostilities.

# Hostel Accommodation



**Sharavathi Hostel for Girls**

Total Strength - 112
Contact: 08192-223206

**JJM Medical College Boys Hostel**

Total Strength 200.
Contact: 08192-220029





# Hostel Accommodation




**JJM Medical College Boys Hostel**

Total Strength 750.
Contact: 08192-220029

**Bapuji Hostel For Women**

Total strength 300
Contact: 08192-270601



# Hostel Accommodation




**Smt. Rathnamma Hostel**
**For Women**

Total strength - 200
Contact: 08192-231192




**Kaveri Hostel**
**For Women**

Total strength 230
Contact: 08192-251069

# Competency Based Medical Education (CBME)

The introduction of a restructured curriculum and training program with emphasis on early clinical exposure, integration of basic and clinical sciences, clinical competence and skills and new teaching learning methodologies will lead to a new generation of medical graduates of global standards. Improvements in the infrastructure and increased emphasis on faculty development will result in increase in the quality of the existing medical colleges. These in turn will lead to motivating young doctors into the academic career and will further enhance the quality of medical education and clinical research in the country.

The proposed undergraduate medical education program is designed to create an "Indian Medical Graduate". The Indian medical graduate will have the necessary competencies (knowledge, skills, and attitudes) to assume his or her role as a health care provider to the people of India and the world. The goals of the M.B.B.S. training program are to create doctors - with requisite knowledge, skills, attitudes, values and responsiveness, so that they may function appropriately and effectively as a Basic Doctor, physicians of first contact for the community in the primary care setting both in urban as well as rural areas of our country.

## ROLES

In order to fulfil these goals the doctor must be able to function in the following roles appropriately and effectively:

1. Clinician, who understands and provides preventive, promotive, curative, palliative and holistic care with compassion.
2. Leader and member of the health care team and system with capabilities to collect analyze and synthesize health data.
3. Communicator with patients, families, colleagues and community.
4. Lifelong learner committed to continuous improvement of skills and knowledge.
5. Professional, who is committed to excellence, is ethical, responsive and accountable to patients, community, and profession.

## KEY ELEMENTS OF CBME

FOUNDATION COURSE of one-month duration at the beginning of the MBBS course will sensitise the fresh medical student with the required knowledge and skills that will assist him/her in acclimatising to the new professional environment which would be his/her milieu for a life-long career in the medical profession. The Foundation Course will also provide a sound foundation for learning in the MBBS course and later in their professional career.

**The major components of the Foundation Course include:**

a) Orientation Program: This includes orienting students with respect to place (learning environment and facility), time, teaching schedules and timetables, processes (Rules, Regulations, policies and procedures), personnel (faculty, staff, and mentors), patients and their relatives.

b) Skills Module (Basic): This involves skill sessions such as Basic Life Support, First Aid, Universal precautions and biomedical waste and safety management that students need to be trained prior to entering the patient care areas.

c) Field visit to Community and Primary Health Centre: These visits provide orientation to the care delivery through community and primary health centres, and include interaction with health care workers, patients and their families.

d) Professional development including Ethics: This is an introduction to the concept of Professionalism and Ethics. This component will provide students with understanding that clinical competence, communication skills and sound ethical principles are the foundation of professionalism. It will also provide understanding of the consequences of unethical and unprofessional behaviour, value of honesty, integrity and respect in all interactions. Professional attributes such as accountability, altruism, pursuit of excellence, empathy, compassion and humanism will be addressed. It should inculcate respect and sensitivity for gender, background, culture, regional and language diversities. It should also include respect towards the differently abled persons. It introduces the students to the basic concept of compassionate care and functioning as a part of a health care team. It sensitises students to "learning" as a behaviour and to the appropriate methods of learning. Orientation to Professionalism and Ethics will continue as the AETCOM module after the first month of the MBBS course and throughout the first year, with reinforcement of the various components introduced.

e) Sports and Extracurricular activities: These have been included, in order to demonstrate the importance of work-life balance in a demanding profession, and provide an opportunity for students to have compulsory physical activity and to showcase their talents.

f) Enhancement of Language / Computer skills / Learning Skills: These are sessions to provide opportunity for the students from diverse background and language competence to undergo training for speaking and writing English, fluency in local language and basic computer skills. The students should be sensitized to various learning methodologies such as small group discussions, skills lab, simulations, documentation and concept of Self-Directed learning

## INTEGRATED TEACHING AND LEARNING

The innovative new curriculum have been structured to facilitate horizontal and vertical integration between and among disciplines, bridge the gaps between theory & practice, between hospital-based medicine and community medicine. Basic and laboratory sciences (integrated with their clinical relevance) would be maximum in the first year and will progressively decrease in the second and third year of the training when clinical exposure and learning would be dominant.

## EARLY CLINICAL EXPOSURE

Students require context to understand basic sciences. They also require grounding in human and social aspects of the practice of medicine. Early clinical correlation and exposure to clinical environment will provide a point of reference and relevance to the novice learner. The ECE program in the MBBS curriculum tries to create an opportunity for students to correlate learning in Phase I subjects with their clinical application. Learning of basic sciences with respect to a clinical context can improve student's motivation to learn and also improve retention. It also provides authentic human context and early introduction to immersion into the clinical environment.

The objectives of early clinical exposure of the first-year medical learners are to enable the learner to:

(a) Recognize the relevance of basic sciences in diagnosis, patient care and treatment
(b) Provide a context that will enhance basic science learning (c) Relate to experience of patients as a motivation to learn.
(d) Recognize attitude, ethics and professionalism as integral to the doctor-patient relationship
(e) Understand the socio-cultural context of diseases through the study o of humanities

## SELF-DIRECTED LEARNING

Self-Directed Learning (SDL) is defined as the "preparedness of a student to engage in learning activities defined by himself rather than a teacher". The Graduate Medical Education 2019 document lists life-long learning as one of the roles of the Indian Medical Graduate (IMG). One of the methods suggested achieving this is SDL. Seven key components of SDL have been described. These include the identification of learning needs, formulation of learning objectives, utilization of appropriate learning resources, employing suitable learning strategies, commitment to a learning contract, evaluating learning outcomes and the teacher as a facilitator.

## SKILL CERTIFICATION

The current undergraduate medical education curriculum focuses on competencies and outcomes and gives emphasis to skill development in all phases. The Graduate Medical Education Regulations Part II, 2019 envisages that certain skills are prerequisites for graduation. Therefore, it is necessary for each student to acquire essential/ desirable and certifiable skills. These skill sessions are planned during their respective phase in a laboratory/during clinical posting along with proper documentation of the process of acquisition of skills. When required, a skills lab may be used to impart training. Skills lab provides a safe training environment in which a learner can be observed and be provided with the feedback necessary to improve. It also allows the learner to do tasks repetitively under supervision till the desired level of competency is achieved.

Skill is the ability to perform a task leading to a specific predefined outcome. Medical students will be trained to acquire the following broad category of Skills :

a) Intellectual or cognitive which includes clinical reasoning and decision making skills,
b) Procedural or psychomotor skills that require manual dexterity and include laboratory and clinical skills,
c) Communication skills,
d) Team skills including leadership skills



# Competency Based Medical Education (CBME)

## STUDENT DOCTOR METHOD OF CLINICAL TRAINING

In order for the MBBS course to provide sufficient skills development for competent practice, a frame shift is required in clinical training in the following ways:

a. Focus on common problems seen in outpatient and emergency setting

b. Learning through clerkship/ student doctor method by involvement in patient care as a team member - involvement in investigations, management and performance of basic procedures.

c. Emphasis on a significant part of training taking place at the primary and secondary level with compulsory family medicine training.

## ELECTIVES

Provision of avenues in the competency based undergraduate MBBS program for the student to explore and experience various streams of the profession is important. Electives are learning experiences that will provide the learner with an opportunity to gain immersive experience of a career stream, discipline or research project and provide an opportunity for the learner to explore, discover and experience areas or streams of interest. Electives format is as follows:

a) The learner shall rotate through two elective blocks of 04 weeks each.

b) Block 1 shall be done in a pre-selected preclinical or para-clinical or other basic sciences laboratory OR under a researcher in an ongoing research project.

c) During the electives, regular clinical postings shall continue.

d) Block 2 shall be done in a clinical department (including specialties, superspecialties, ICUs, blood bank and casualty) from a list of electives developed and available in the institution OR as a supervised learning e experience at a rural or urban community clinic.

e) The learner must submit a learning log book based on both blocks of the elective. 75% attendance in the electives and submission of log book maintained during elective postings is required for eligibility to appear in the final MBBS examination.

## AETCOM

Health Professions and practice is a complex interplay of Knowledge, Clinical Skills & Acumen, Communication, Attitude, Inter- Professional behavior and is largely dependent on strong Ethical values. The entire concept of AETCOM module lies on the fundamental principle that changing a person's attitude can change his or her behavior. In order to ensure that training is in alignment with the goals and competencies, a newer teaching learning approaches including a structured longitudinal programme on attitude, ethics and communication has been proposed. Role modelling and mentoring associated with classical approach to professional apprenticeship has long been a powerful tool. This approach alone is no longer sufficient for the development of a medical professional. The domains of attitude and communications with emphasis on ethics therefore need to be taught directly and explicitly throughout the undergraduate curriculum. AETCOM is a longitudinal program spread across all phases of medical course that will help students acquire necessary competence in the attitudinal, ethical and communication domains. It offers framework of total 27 competencies (5 competencies in Professional Year 1, 8 competencies in 2nd year, 5 competencies in 3rd year and 9 competencies in final year) that students must achieve by the end of their course.



## DISTRIBUTION OF SUBJECTS BY PROFESSIONAL PHASE

| Phase and Year of MBBS Training | Subjects and new teaching elements | Duration | University examination |
|---|---|---|---|
| First professional MBBS | • Foundation course (1month)<br>• Human Anatomy, Physiology& Biochemistry<br>• Introduction of Community Medicine, Humanities<br>• Early Clinical Exposure<br>• Attitude, Ethics and Communication Module (AETCOM) | 1+12 months | I Professional |
| Second professional MBBS | • Pathology, Microbiology, Pharmacology, Forensic Medicine And Toxicology<br>• Introduction to clinical subjects including community Medicine<br>• Clinical postings<br>• AETCOM | 12months | II Professional |
| Third professional MBBS-part I | • General Medicine ,General Surgery, OBG, Paediatrics, Orthopaedics, Dermatology, Psychiatry, Otorhinolaryngology, Ophthalmology, Community Medicine, Forensic Medicine and Toxicology, Respiratory Medicine, Radiodiagnosis & Radiotherapy, Anaesthesiology<br>• Clinical Subjects /postings<br>• AETCOM | 12months | III Professional part I |
| Electives | • Electives ,skills and assessment | 2months | |
| Third professional MBBS-part II | • General Medicine ,Paediatrics, General Surgery, Orthopaedics, Obstetrics and Gynaecology, including Family welfare and allied specialties<br>• Clinical Postings /subjects<br>• AETCOM | 13 months | III Professional part II |

## SCHEME OF EXAMINATION

### INTERNAL ASSESSMENT: General guidelines

- Regular periodic examinations shall be conducted throughout the course. There shall be minimum three internal assessment examinations in each preclinical subject. In addition, there shall be one Internal Assessment in Community Medicine in Phase I MBBS.
- The third internal examination should be conducted on the lines of the university examination.
- There shall be one short essay on ECE in each internal assessment in each subject.
- There should be at least one short question from AETCOM in each subject in any of the internal assessment.
- Questions on ECE and AETCOM in Internal Assessments must be assessed by the faculty of the respective pre-clinical departments. (Anatomy/Physiology/ Biochemistry)
- An average of the marks scored in the three internal assessment examinations will be considered as the final internal assessment marks.
- Learners must secure not less than 40 % marks in theory and practical separately and not less than 50% marks of the total marks (combined in theory and practical) assigned for internal assessment in a particular subject in order to be eligible for appearing at the final University examination of that subject.
- A candidate who has not secured requisite aggregate in the internal assessment may be subjected to remedial measures by the institution. If he/she successfully completes the remediation measures, he/she is eligible to appear for University Examination. Remedial measures shall be completed before submitting the internal assessment marks online to the university.
- Internal assessment marks will reflect under separate head in the marks card of the university examination. The internal assessment marks (theory/practical) will not be added to the marks secured (theory/practical) in the university examination for consideration of pass criteria.
- The results of IA should be displayed on the notice board within a 1-2 week of the test.
- Learners must have completed the required certifiable competencies for that phase of training and completed the logbook appropriate for that phase of training to be eligible for appearing at the final university examination of that subject.

**ANATOMY EXAMINATION PATTERN:**

**INTERNAL ASSESSMENT**

| Theory (maximum marks) | | Practical (maximum marks) | |
|---|---|---|---|
| Theory paper | 30marks | Gross Anatomy, Histology (25marks)<br>Viva (5marks) | 30marks |
| Professionalism | 5 marks | Histology record | 5 marks |
| Part completion tests | 5 marks | ECE | 5 marks |
| **TOTAL** | **40 marks** | **TOTAL** | **40 marks** |

**UNIVERSITY EXAMINATION**

| Theory (maximum marks) | | Practical (maximum marks) | |
|---|---|---|---|
| Paper 1 | 100 marks | Spotters (10x2) | 20 marks |
| | | Window discussion (above diaphragm) | 15 marks |
| | | Window discussion (below diaphragm) | 15 marks |
| | | TOTAL | 50 marks |
| Paper 2 | 100 marks | HISTOLOGY | |
| | | Spotters (10x1) | 10 marks |
| | | Slide discussion (general histology) | 10 marks |
| | | Slide discussion (systemic histology) | 10 marks |
| | | TOTAL | 30 marks |
| | | VIVA VOCE | |
| | | Osteology | 05 marks |
| | | Surface marking | 05 marks |
| | | Radiological anatomy | 05 marks |
| | | Embryology | 05 marks |
| | | TOTAL | 20 marks |
| **TOTAL** | **200 marks** | **TOTAL** | **100 marks** |
| **Internal assessment 40 marks** | | **Internal assessment 40 marks** | |

**PHYSIOLOGY EXAMINATION PATTERN**

**INTERNAL ASSESSMENT**

| Theory (maximum marks) | | Practical (maximum marks) | |
|---|---|---|---|
| Theory paper | 30 marks | Practical (25marks)<br>Viva (5marks) | 30marks |
| Part completion tests | 10 marks | ECE + Skill Certification | 7 marks |
| | | Practical record | 3 marks |
| TOTAL | 40 marks | TOTAL | 40 marks |

**UNIVERSITY EXAMINATION**

| Theory (maximum marks) | | Practical (maximum marks) | |
|---|---|---|---|
| Paper 1 | 100 marks | Clinical examination I + clinical case histories | 20 marks(15+5) |
| | | Clinical examination II | 20 marks |
| | | Human experiments – Amphibian chart | 20 marks(15+5) |
| | | Haematology + Calculations | 20 marks(15+5) |
| | | TOTAL | 80 marks |
| Paper 2 | 100 marks | Viva | 20 marks |
| **TOTAL** | 200 marks | **TOTAL** | **100 marks** |
| Internal assessment | 40 marks | Internal assessment | 40 marks |

**BIOCHEMISTRY EXAMINATION PATTERN**

**INTERNAL ASSESSMENT**

| Theory (maximum marks) | | Practical (maximum marks) | |
|---|---|---|---|
| Theory paper | 30marks | Practical (25marks)<br>Viva (5marks) | 30marks |
| MCQ/Unit test/ Case Based Test/ Assignment | 10 marks | ECE + skill certification | 5 marks |
| | | Practical record | 5 marks |
| **TOTAL** | **40 marks** | **TOTAL** | **40 marks** |

**UNIVERSITY EXAMINATION**

| Theory (maximum marks) | | Practical (maximum marks) | |
|---|---|---|---|
| Paper 1 | 100 marks | OSPE | 20 marks |
| | | Qualitative analysis | 20 marks |
| | | Quantitative analysis | 20 marks |
| | | Case studies | 20 marks |
| | | TOTAL | 80 marks |
| Paper 2 | 100 marks | Viva | 20 marks |
| **TOTAL** | **200 marks** | **TOTAL** | **100 marks** |
| Internal assessment | 40 marks | Internal assessment | 40 marks |

## UNIVERSITY EXAMINATION

### General guidelines

- University examinations are to be designed with a view to ascertain whether the candidate has acquired the necessary knowledge, minimal level of skills, ethical and professional values with clear concepts of the fundamentals which are necessary for him/her to function effectively and appropriately as a physician of first contact. Assessment shall be carried out on an objective basis to the extent possible.

- Nature of questions will include different types such as structured essays (Long Answer Questions - LAQ), Short Essays and Short Answers Questions (SAQ). Marks for each part should be indicated separately.

- The learner must secure at least 40% marks in each of the two papers with minimum 50% of marks in aggregate (both papers together) to pass.

- Practical/clinical examinations will be conducted in the laboratories. The objective will be to assess proficiency and skills to conduct experiments, clinical examination, interpret data and form logical conclusion, wherever applicable.

- Viva/oral examination should assess candidate's skill in analysis and interpretation of common investigative data, X-rays, identification of specimens, ECG, etc. (wherever applicable) and attitudinal, ethical and professional values.

- There shall be one main examination in an academic year and a supplementary to be held not later than 90 days after the declaration of the results of the phase I university examination.

- A learner shall not be entitled to graduate after 10 years of his/her joining of the first part of the MBBS course.

Phase 1 university examination

- The first Professional examination shall be held at the end of first Professional training (1+12 months), in the subjects of Human Anatomy, Physiology and Biochemistry.

- A maximum number of four permissible attempts would be available to clear the first Professional University examination, whereby the first Professional course will have to be cleared within 4 years of admission to the said course. Partial attendance at any University examination shall be counted as an availed attempt.

## ELIGIBILITY FOR EXAMINATION

The following criteria to be met by the students to be eligible for the university exams:

a. Shall have undergone satisfactorily the approved course of study in the subject/subjects for the prescribed duration.

b. Shall have attended not less than 75% of the total classes conducted in theory and not less than 80% of the total classes conducted in practical separately to become eligible to appear for examination in that subject/subjects.

c. Minimum of 40% marks to be obtained separately in theory and practical to appear for University exam. At least 50% marks of the total marks combined in theory and practical assigned for internal assessment is to be obtained in a particular subject. (average of 3 internal assessments theory and practical separately)

d. Learners must have completed the required certifiable competencies for that phase of training and completed the logbook appropriate for that phase of training to be eligible for appearing at the final university examination of that subject.

## CRITERIA FOR PASS

For declaration of pass in any subject in the University examination, a candidate shall pass both in Theory and Practical examination components separately as stipulated below:

- The Theory component consists of marks obtained in University Written papers only. For a pass in theory, a candidate must secure at least 40% marks in each of the two papers with minimum 50% of marks in aggregate (both papers together).

- For a pass in practical examination, a candidate shall secure not less than 50% marks in aggregate, i.e., marks obtained in university practical examination and viva voce added together.

- Internal assessment marks will reflect as a separate head of passing at the university examination.

- A candidate not securing 50% marks in aggregate in Theory or Practical examination + viva in a subject shall be declared to have failed in that subject and is required to appear for both Theory and Practical again in the subsequent examination in that subject.

## DECLARATION OF CLASS

a. A candidate having appeared in all the subjects in the same examination and passed that examination in the first attempt and secures 75% of marks or more of grand total marks (university examination + internal assessment) prescribed will be declared to have passed the examination with distinction.

b. A candidate having appeared in all the subjects in the same examination and passed that examination in the first attempt and secures 65% of marks or more but less than 75% of grand total marks (university examination + internal assessment) prescribed will be declared to have passed the examination in First Class.

c. A candidate having appeared in all the subjects in the same examination and passed that examination in the first attempt and secures 50% of marks or more but less than 65% of grand total marks (university examination + internal assessment) prescribed will be declared to have passed the examination in Pass Class.

d. A candidate passing a university examination in more than one attempt shall be placed in Pass class irrespective of the percentage of marks secured by him/her in the examination.



## REFERENCE BOOKS

### ANATOMY

General anatomy

- Handbook of General Anatomy, BD Chaurasia / General Anatomy, Vishram Singh

Histology

- Di Fiore's Atlas of Human Histology with Functional Correlation, Victor P Eroschenko / Wheater's Functional Histology: A Text and Colour Atlas
- Textbook of Human Histology with colour Atlas, Inderbir Singh / Textbook of Histology and Practical Guide, Gunasegaran / Histology: Text and Atlas, Brijesh Kumar

Embryology

- Textbook of Human Embryology, Inderbir Singh/ Textbook of Clinical Embryology, Vishram Singh/ Langman's textbook of Medical Embryology, TW Sadler

Gross Anatomy including neuroanatomy

- Cunningham's Manual of Practical Anatomy Volumes I,II and III
- BD Chaurasia's / Dutta's / Vishram Singh's Textbook of Anatomy – all volumes
- Grant's atlas / McMinn's atlas / Netter's atlas
- Clinically Oriented Anatomy, K L Moore / Clinical Anatomy by Regions, Richard Snell / Clinical Anatomy (A Problem Solving Approach) (2 volumes), Neeta Kulkarni
- Gray's Anatomy for Students, South Asia Edition
- Clinical Neuroanatomy, Richard Snell / Textbook of Neuroanatomy, IB Singh /
- Gray's Anatomy for Students, South Asia Edition
- Clinical Neuroanatomy, Richard Snell / Textbook of Neuroanatomy, IB Singh /
- Textbook of Clinical Neuroanatomy, Vishram Singh

Surface and radiological anatomy

- Surface and radiological anatomy, A Halim / Surface and radiological anatomy, Ashwini Appaji and Roopa Kulkarni

**Reference books**

- Stedman's Medical Dictionary
- Gray's Anatomy - The Anatomical Basis of Clinical Practice

## PHYSIOLOGY

**Text books**

- Guyton and Hall. Text of Medical Physiology. 3rd South Asian edition. Adaptation editors : Mario Vaz, Anura Kurpad, Tony Raj. Elsevier publishers.2020
- Ganong's Review of Medical physiology. 26th edition. Kim E Barrett, Heddwen L Brooks, Susan M Baran, Jason X-J Yuan. Mc Graw Hill. 2019.
- G.K Pal. Text book of Medical Physiology. 4th edition. Single volume. Elsevier Publishing company. 2022
- A.K. Jain. Text book of Medical Physiology. 9th ed. Avichal Publishing company. New Delhi.2021
- CC Chatterjee's Human Physiology. 13th ed. CBS publishers and distributers Pvt. Ltd.
- Indu Khurana and Arushi Khurana Medical Physiology for undergraduate students. 2nd ed. Elsevier India publishers. 2020.
- G.K Pal. Comprehensive textbook of Medical Physiology.2nd edition. Volume (I & II). Jaypee brothers.2019

**Reference Books:**

- Berne and Levy Physiology. 7th ed. International edition. Editors. Bruce M. Koeppen and Bruce A. Stanton. Physiology . Elsevier.
- Best and Talor's Pysiological Basis of Medical practice. 13th ed. O.P Tandon, Y. Tripathi. Lippincot Williams and Wilkins.
- Cyril A Keele, Eric Neil, Normon Joesls. Samson Wright's Applied Physiology. 13th ed.Indian reprint 2015. Oxford
- Walter F. Boron, Emile L Boulpaep. Medical Physiology . International edition, 2nd ed. Saunders Elsevier.

**Practical:**

- G.K Pal , Pravati Pal. Text book of Practical Physiology. 5 th Edition. Universities Press.
- A.K Jain . Manual of Practical Physiology.6th ed. Modified Arya Publications.2019
- Ghai's Text book of Practical Physiology.9th ed. Jaypee brothers.
- MacLeods' Clinical Examiation. Edited by J. Alastair Innes, Anna R .Dover, Karen Fairhurst 12th ed.
- Hutchison's Clinical methods. 24th ed. International edition. Elsevier

## BIOCHEMISTRY

**Text books**

- D M V asudevan. Text Book of Biochemistry for Medical students. 9th Edition
- Lippincott's Illustrated reviews
- S K Gupta. Biochemistry for MBBS
- Pankaj Naik. Biochemistry
- Dinesh Puri. Text Book of Medical Biochemistry
- Namrata Chhabra. Case oriented approach towards Biochemistry
- Divya Shanti D'sza, Sowbhagyalakshmi. An easy guide to Practical

**Reference books**

- Harper's illustrated Biochemistry
- Marshall and Bangert. Clinical Chemistry
- Baynes and Dominiczak. Medcial Biochemistry
- Bhagavan and Ha. Essentials of Medical Biochemistry with clinical cases
- Stryer. Biochemistry
- James Watson. Molecular biology of gene



# Best Practices for Success in Examinations

**BEFORE EXAMINATION:**

- Set a routine:
  - Making a time-table helps to study in an organised manner
  - However not keeping in pace with the time-table may add to stress
  - Set realistic goals in your time-table to make them achievable
  - Keep slots for relaxation time
  - Dedicate slots for frequent revisions
  - Focus on key concepts, just before the examination
  - Cover "must know" topics of the syllabus on priority basis

- Take care of health:
  - Eat a balanced diet to maintain your stamina
  - Avoid junk food/street side food
  - Adequate sleep is very essential to rejuvenate your mind & body
  - Listen to soothing music during breaks to elate your mood
  - Interact regularly with your friends to stay updated

- Curb distractions:
  - Stay away from social networking sites
  - Avoid unnecessary calls from friends that might waste your precious time

- Seek family help:
  - Speak to your parents /siblings to keep your morale high
  - Seek help from them if you feel low or stressed out
  - Avoid discussing family matters that do not require your participation

- Prepare in sync with exam pattern
  - Understand the examination pattern thoroughly
  - Plan your preparation in accordance to the exam pattern
  - Stay updated with the style of questioning adopted in the previous years

- Make ground preparations well in advance
  - Procure your hall ticket & other documents as soon as made available
  - Keep your set of exam stationery with adequate backup
  - Plan out your travel to the exam centre
  - Stay connected with at-least few people who are taking exams along with you

**DURING EXAMINATION:**

- Arrive early at the examination hall
  - Arrive at least half an hour early to the exam centre to avoid last minute hassles
  - Identify your seat and be seated to extend cooperation with the invigilators
  - Avoid unnecessary discussion with other students before the start of exams
  - Try to relax your mind by using some relaxation techniques

- Follow examination hall etiquettes
  - Follow the general rules of the examination hall
  - Do not indulge in copying or any malpractices
  - Fill your candidate particulars on the answer booklet correctly
  - Doubly crosscheck all the important details like signatures, register number etc.
  - Seek help from invigilators to fill up the details, if required

- Time management is the key to success
  - Plan the time allotment for each answer in accordance to the marks weightage
  - Cross check the question paper code with your hall ticket
  - Read the question paper quickly & completely to identify any errors
  - Plan the order of answering the questions
  - Maintain orderliness would be preferable, however you can always start with easy answers to boost your morale
  - Always write the question number correctly & on left side of the margin
  - Delineate one answer from another by drawing lines
  - Devote time for each answer in proportion to the allotted marks
  - Keep some time at the end to check whether you have attempted all questions

- Sell your answers
  - It would be preferable to write a content layout for long essays
  - Divide your answer into sub-headings
  - Attempt all the sub-headings in a structured essay question in accordance to the marks allotted
  - Answer in a point wise manner wherever feasible
  - Use diagrams and flow charts wherever necessary to make your answer appealing
  - Make sure you do not waste a lot of time in drawing diagrams/flowcharts if you are not good at it
  - Highlight key points in your answer by underlining or making a text box around them
  - Write specific answers to the questions asked

# Institutions Under BEA®

J.J.M.MEDICAL COLLEGE
SSIMS & RC - HOSPITAL
SSIMS & RC - PHARMACY
BAPUJI DENTAL COLLEGE & HOSPITAL
COLLEGE OF DENTAL SCIENCE
BAPUJI HOSPITAL
BAPUJI HOSPITAL - PHARMACY
BIET
BAPUJI CHILD HEALTH INSTITUTE & RESEARCH CENTER
BCHI PHARMACY
STJ RURAL HOSPITAL
ARG COLLEGE OF ARTS & COMMERCE
ARG PU COLLEGE OF ARTS & COMMERCE
ARG COLLEGE OF ARTS & COMMERCE - NON GRANT
ARG PG
AVK DEGREE COLLEGE FOR WOMEN
AVK PU COLLEGE FOR WOMEN
AVK COLLEGE FOR WOMEN - NON GRANT
AVK COLLEGE FOR WOMEN -BBM
AVK COLLEGE FOR WOMEN - BBM (PTS)
BEA COLLEGE OF EDUCATION (B.ED.,)
BAPUJI PHARMACY COLLEGE
BAPUJI POLYTECHNIC
DRM SCIENCE COLLEGE (DEGREE)
DRM PU SCIENCE COLLEGE
DRM SCIENCE COLLEGE - NON GRANT
DEPARTMENT OF PG STUDIES IN EDUCATION(M.ED.,)
MBA PROGRAMME
MSB ARTS & COMMERCE COLLEGE
MSB ARTS & COMMERCE COLLEGE - BBM
BEA HIGH SCHOOL, KUNEBELAKERE
RL LAW COLLEGE
SPSS PRE UNIVERSITY COLLEGE
BAPUJI INSTITUTE OF TEACHERS TRAINING (D.ED.,)
BAPUJI COLLEGE OF PHYSICAL EDUCATION (B.PED.,)
BAPUJI INSTITUTE OF HI-TECH EDUCATION - BCA
BAPUJI COLLEGE OF NURSING
BAPUJI SCHOOL OF NURSING
SS INSTITUTE OF NURSING SCIENCE
BEA HPS PJ (KM)
BEA CPNS PJ (NURSERY)
BEA HS NJ (KM)
BEA HS NJ (EM)
BEA HPS PJ (EM)
SHSS HS HARIHAR
SHSS NPS HARIHAR
SPSS CBSE SCHOOL, THOLAHUNSE
SPSS CBSE JUNIOR COLLEGE, THOLAHUNSE
SSIMSRC&RC - COLLEGE
BAPUJI HIGHER PRIMARY ENGLISH MEDIUM CBSE SCHOOL
BAPUJI ACADEMY OF MANAGEMENT & RESEARCH CENTER
BAPUJI CBSE SCHOOL NIJALINAPPA LAYOUT
BHS CBSE NJ LAYOUT



## Medical Student Oath

I pledge, before my, teachers and family, that I will be loyal to the ideals of the study of medicine.

I will learn and practice my art with honor. I will always seek new knowledge and skills, working to create a culture that encourages individual and collective success.

I will take ownership of actions, acknowledge my mistakes and limitations and seek guidance from my mentors.

I will appreciate the complexity, diversity and needs of each individual, and will exercise empathy, compassion and patience. I will recognize my biases and treat all lives with equal dignity and respect.

I will always use my skills and knowledge for good.

I will care for myself and my classmates through the challenges ahead and lead by example for my patients and peers.

I will not indulge in ragging and any antisocial activities.

I will embody the highest standards of professionalism, and hereby pledge to positively represent the JJM Medical College in the community and beyond.

By donning this white coat, I humbly accept the privileges and responsibilities of the study and practice of medicine

## New Examination Hall

## RGUHS Regional Valuation Center

# Student Guidance & Counselling Cell

## STUDENT GUIDANCE & COUNSELLING CELL

At JJMMC, we have an active student's guidance and counseling cell to provide comprehensive guidance service that will equip students with necessary knowledge, attitude and skills to become mature and socially responsible individuals. The objectives of this cell are to nurture students through remedial measures and mentoring through individual counselling. This cell helps the students in pressure management, Problem management, Decision Making and crisis management. This cell has been set up for the benefit of Undergraduates and Post Graduate Students. Guidance can be sought on academic and non-academic matters from members of the cell headed by the principal to improve their performance.






Cadaveric Oath



White Coat Ceremony

# Anatomy Museum



# Upcoming Bapuji Hospital Block

