



SELF STUDY REPORT

FOR

4th CYCLE OF ACCREDITATION

**M. E. S. COLLEGE OF ARTS, COMMERCE AND
SCIENCE**

**VIDYASAGARA PROF. M P L SASTRY ROAD, 15TH CROSS, MALLESWARAM
560003**

<https://www.mesacs.in>

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

MES College of Arts, Commerce, and Science was established in 1956 as an intermediate college by a group of progressive educationalists and philanthropists with a vision of providing excellent education to the young citizens in the neighborhood of Malleswaram. The undergraduate programs in Arts and Commerce were introduced in 1958, and the science program was started in 1969. From a modest beginning with about 50 students, the college has risen to its present stature with 2500 plus students, largely due to the concerted efforts of its founders, proactive management and a host of qualified, committed teachers who have ensured quality education to generations of students. Over the last six decades, the institution has been sensitive to the changing developments in the field of higher education as well as the expectations of the student community. Since the last NAAC assessment and accreditation, there has been a noteworthy growth in the following areas:

Greater representation of the faculty in the Board of studies of the affiliating university and autonomous institutions.

Introduction of two new programs – Electronics Mathematics Computer science and History Economics Political science.

Increase in the number of Add on /certificates courses,

Large increase in the dispersal of scholarship amount.

Launch of extension services - MES Rotaract, Rovers and Rangers, Youth Red Cross,

Seamless transition to online admission process since 2017.

Significant increase in the number of faculty obtaining Ph.D

Implementation of Cadre and Recruitment rules for the management employees.

Establishment of Departmental Advisory Committee to inculcate research culture.

Substantial increase in the inflow of research funds.

Increase in the number of MOUs with external institutes /agencies,

Publication of an in-house journal “MES Bulletin of Applied Sciences” to publish research articles.

Registration of the MES College Alumni Association,

Enhanced use of ICT enabled tools by the faculty for effective delivery of the curriculum to students.

Increase in the number of workshops and seminars conducted by the departments

Phased implementation of ERP solution.

Augmentation of internet facility and Wi-Fi Campus

Establishment of a full-fledged Gymnasium.

The stated Vision and Mission of the college have ensured the all-around development of its students.

Vision

Our Vision

Inspire, Invigorate, Illumine

The vision of the institution is to inspire students to be confident and courageous youth, rightful and responsible citizens, caring and compassionate human beings. Such inspiration is drawn from dynamic and dedicated teachers, distinguished and erudite scholars, successful entrepreneurs, committed social workers, celebrities, sportsmen and many others during their stay in the college.

The vision also envisages that all academic, co-curricular, extracurricular and extension activities in the college are focused to infuse an abundance of positive energy and enthusiasm in the young minds, to enable them to lead their lives to the fullest. Such invigoration of the minds is a natural outcome of the environment created in the institution.

The vision of the institution is to offer every student a complete college experience that will illumine them to be educated individuals and to excel in their chosen field. It enables them to explore their hidden potential and help them become more resourceful and add meaning to their lives.

Mission

Our Mission

Holistic development of human capital with a ceaseless thirst for knowledge and creativity, a sensitivity towards civic responsibility, and a passion for recognizing and practicing the rich traditions and cultural heritage of our country, with a commitment to continuously improve and provide quality education at an affordable cost.

India has a demographic dividend of 50 percent of the population below the age of 25 that can be moulded to make them useful and well-balanced personalities. This responsibility is largely that of higher educational institutes. At MES our USP has been holistic development to groom leaders of tomorrow, as stated clearly in our mission. This is achieved by the multimodal approach in teaching and learning that has been the hallmark since six decades of our existence. The extracurricular activities and extension services that students are involved in through NCC, NSS, MES Rotaract, Rovers & Rangers unit, and Red Cross unit go a long way in making them the real assets of the society. The practice of celebrating national festivals and national days, instil values such as secularism, patriotism, sensitivity towards civic responsibilities and awareness about unity in the

diversity of our nation. Leadership quality is inculcated in students through the practice of forming a students' council, elections to class representatives, and sports representatives. They conceive, plan and execute various inter-class and inter-college fests ably guided by the faculty. Such enriching experiences have resulted in students passing out of the portals of our institution, spread across the globe as recognized individuals and holding key positions.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. A premier educational institution founded by eminent educational visionaries and philanthropists, which has earned a high reputation.
2. A proactive management to guide the institution towards excellence.
3. A highly transparent student admission process catering to diversity, access, and equity, based on merit and social inclusion.
4. A rich teaching-learning environment, through a healthy mix of experienced and young teachers imparting a blend of formal academic training with value education.
5. The institution has ICT-enabled classrooms, a well-equipped library and laboratories for academic transactions.
6. Well-established research centres in Mathematics and Kannada pave way for quality research through mobilizing funds from funding agencies.
7. Ample opportunities to students to participate in co-curricular and extra-curricular activities.
8. The institution enables students to inculcate a critical mindset through experiential and participatory learning, peer learning and sensitisation to the social realities.
9. The institution provides exposure to the rich Indian traditions, culture and heritage.
10. Student-centric counselling is a hallmark of the institution, right from the time of admissions till the completion of the course, including career and placement guidance.
11. A large pool of alumni achievers spread all over the globe supports student welfare measures.

Institutional Weakness

1. Space constraint as the institution is located in a central/residential area of the city and also the premises is shared with the pre-university college.
2. Limited number of post-graduate programmes.
3. A significant difference between the remuneration for the grant-in-aid and management staff, despite the proactive efforts of the management.
4. Less number of MoUs with institutions of higher learning and universities for collaborative work and academic improvement.
5. Insufficient networking with industries and institutions for placement services.

Institutional Opportunity

1. To take advantage of the proximity to premier institutions such as Indian Institute of Science, Wood Science Research Institute, University of Agricultural Sciences, National Centre for Biological Studies, M.S. Ramaiah University of Applied Sciences and such others, for academic/research collaborations.

2. To involve the illustrious pool of alumni to spearhead strong academic and research endeavours.
3. To offer more post-graduate courses and establish research centres for providing vertical mobility to the students.
4. To establish an industry-institution interface forum, for providing the students opportunities for internships and hands-on/skill-based training opportunities.

Institutional Challenge

1. To improve student admissions for the 'not in demand' programs of science and humanity courses.
2. To improve English communication/writing skills of students who have pursued their previous qualifying course in the vernacular medium of instruction.
3. To seek expansion of space and up-gradation of infrastructure, commensurate with the institutional aspirations.
4. To own an outdoor sports and games facility to our aspiring sports enthusiasts.
5. To increase the number of placement opportunities for the science and arts graduates.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The institution is affiliated to the Bengaluru City University and follows the curriculum prescribed by the affiliating university. Based on the annual calendar of events given by the affiliating university, the institution drafts an annual academic calendar. In addition, the college timetable helps in effective implementation of the curriculum. The faculty participate in the workshops, seminars and webinars on curriculum and its methodology of implementation organised by the institution and also by the other institutions. The rich experience of the faculty as the members of BOS and BOE at affiliating, autonomous and to be deemed universities has further strengthened the academic planning and implementation at the institutional level. Two new programmes EMCs (Electronics, Mathematics and Computer science) in 2018 and HEP (History, Economics and Political Science) in 2019 have been introduced.

The institution offers two PG and seventeen UG programmes with the Choice Based Credit System/Elective course system. Sixteen self-financed Add-on/Certificate courses designed, developed and managed by the faculty are offered to the students to improve their total learning experience, lab skills, employability, soft skills and communication skills in addition to the prescribed syllabus of the affiliating university. Curriculum related project works have led to exposure to experiential learning.

The institution imparts values related to professional ethics, women and gender issues, human values, environment and sustainability for the holistic development of the students. Outreach programmes and eco-friendly initiatives like MES Swachha Samste, scientific collection and disposal of E-waste are undertaken. Regular feedback from the stakeholders is collected and analysed for effective curriculum implementation

Teaching-learning and Evaluation

Teaching to educate students for gaining knowledge in the course-specific subjects and learning through student-centric multimodal methods has been the niche area of the institution.

The programmes offered are made known through the prospectus and are hosted on the website. The admission policy is framed by Management and shared for implementation with the admission committee. The admissions are made to various categories (SC, ST, OBC, GM and others) according to the reservation policy of the government of Karnataka. The institution follows a transparent and inclusive policy for student admissions, adhering to the norms laid by the affiliating university.

Slow learners are identified by the percentage of marks in the qualifying examination and in classroom lectures. Learning gaps are addressed through remedial classes, providing study material and individual interactions during mentoring. High achievers are identified and are encouraged to participate in academic activities and provided study material for competitive exams. The mentors conduct sessions with the mentees and enter the details in a Mentor diary.

The prime focus of teaching and learning is on the multimode opportunities provided such as, student seminars, project work, participation in academic-related activities, research article-writing, lecture contests and quizz. Higher level learning is enabled through talks organised by subject experts. The faculty make use of the ICT enabled tools for effective teaching to equip students with enhanced learning. Platforms like GSuite and Webex are adopted seamlessly for online transaction of the curriculum and cocurricular activities.

Recruitment for sanctioned posts against permanent vacancies (grant-in-aid) that arise due to superannuation/voluntary retirement of a faculty are filled by the government. As several posts have not been filled, the deficit work load is made good by the faculty recruited by the Management.

The internal assessment mechanism is robust and structured, related to the division of marks, evaluation and transparency. The liaison officer coordinates with the university to address examination-related grievances. The faculty are highly qualified, vastly experienced and are committed to enable students attain the course and programme outcomes. In the current assessment period, our students have secured thirteen ranks at the university level.

Research, Innovations and Extension

The institution creates an ecosystem for the promotion of research both at the undergraduate and postgraduate levels. The PG departments of mathematics and Kannada are recognized as research centres by the affiliating university. The research cell has eminent research advisors on board who guide and review the research work of the research centres. The cell has initiated a unique practice of forming a departmental advisory committee to enhance research and for the academic progress of faculty and students. The institution has 22 faculty with Ph.D, and seven of them are recognized research guides Seven research scholars registered in the Research centre in applied mathematics have been awarded doctorate degree from the affiliating university and five are presently enrolled. The recognized research guides of the institution have guided ten scholars for Ph.D registered in other universities.

In the last five years the institution has received rupees one crore and sixty-seven lakhs from funding agencies like UGC, DST, VGST, NBHM, Science Academies that includes the seed money from our management for research projects, seminars and workshops. The outcome of the research initiatives and research work has resulted in continuous growth with 113 publications by faculty. 116 seminars and workshops were organised on

advanced topics to encourage faculty and students to carry out research.

The formation of DAC has motivated the faculty to pursue and thus 28 have enrolled for Ph.D. The faculty share their knowledge by writing /editing books, chapters and research articles. There are 28 collaborations and 18 MOUs for academic activities. The institution has an in-house journal by the name “MES Bulletin of Applied Sciences” to encourage and publish research articles of faculty and students.

The institution is committed to the moral, social and ethical development of students through extension activities, awareness and outreach programmes conducted by NSS, NCC, Rotaract, Red cross, legal awareness cell and COVID counselling cell.

Noteworthy awareness programmes conducted are about cleanliness- Swachha Bharat Abhiyan, cashless transactions- Digital India, physical fitness – fitness through yoga, health and hygiene and four Covid-.vaccination drives. The college also organises annual blood donation camps.

Infrastructure and Learning Resources

The Institution has well-equipped classrooms, laboratories, auditorium and seminar hall with computing devices, LAN connections and LCD projectors to support teaching and learning. The college is Wi-Fi enabled. The office is fully computerized for administration, admission and maintenance of accounts. The college website is fully functional.

The college library has two floors and a mezzanine floor. It has a comprehensive collection of books, journals, magazines, newspapers, thesis and project reports. Library subscribes for N-LIST program from INFLIBNET center which provides access to 1,99,500 e-books and 6060 e-journals. In addition, 6,00,000 e-books can be accessed through National Digital Library.

The library is automated partially, with the installation of Easylib Library Automation Software-an Integrated Library Management Software. Library provides services like circulation of books, reading room, property counter, internet browsing, books for reference, book bank facility to underprivileged students, photocopying and question papers of previous years.

The drinking water facility is provided through the installation of a Reverse Osmosis [RO] water purifier on the ground, first and the third floor. There are designated rooms for NCC, NSS, placement cell, physical education department, and MES Employees Co-operative Society. MES Society supplies books and stationery at subsidized rates. There is an exclusive server room to maintain the IT infrastructure.

The Institution has a full-fledged gymnasium, a table tennis room, and a shuttle badminton court. There is adequate equipment to conduct indoor and outdoor sports activities.

Student Support and Progression

The Institution extends support to the student to improve the quality of college life. The support system is strengthened by the establishment of cells such as counselling, placement, women, prevention of sexual harassment and anti-ragging for their career advancement and emotional wellbeing.

Financial assistance to the needy and meritorious students are provided through state, central and trust scholarships, endowments, financial aid from teachers and philanthropists. Further nutritional supplements, fee assistance and notebooks are provided through the Student Welfare fund of Mysore Education Society®. Through the *Akanksha* scheme, the fund collected as a voluntary contribution by the teachers is used to support students from low-income families. All the students of the institution are covered under Group Accident Insurance Scheme.

Add-on courses like Communicative English, Human Resource Management, Bio-Statistics, Spectroscopic and Analytical Techniques in Chemistry, Computational Physics using Python are conducted to enhance the skills and improve career opportunities of students. Pre-admission counselling, mentoring and remedial classes for slow learners are also in practice.

To ensure holistic development of the students various co-curricular and extra-curricular activities, and sports are organized by the college. Inter class and intercollegiate commerce fest, science fest humanities fest, Bhagavad Gita recitation and essay writing competitions, Freshers Day, Ethnic Day, Inter-collegiate fest-Anubhav and Annual day are all conducted with great gusto. Music, Dance and Drama club provide opportunities for students to exhibit their natural talent. NCC, NSS, Legal Awareness Cell, Youth Red Cross, MES Rotaract, Rangers and Rovers organize events and workshops to encourage students to build leadership qualities and develop organizational skills. There is a noticeable improvement in the number of students progressing to higher education.

The MES College Alumni Association contributes significantly to the development of the institution.

Governance, Leadership and Management

The performance of an institution requires a good governance and a proactive leadership. The motto of our institution “Immortality Through Knowledge” is achieved by continuous encouragement to enhance the knowledge of all the stakeholders. The governance at all levels ensures that the name and fame of the institution lasts for many decades to come.

All academic and administrative governance is steered by the Head of the institution. The eminent members of the Management Committee and the Governing Body of the institution conduct periodic meetings and deliberate on key issues that help in its smooth functioning. The management prepares the institution to take up challenges and adapt to changes in policies/rules and regulations that are effected by the higher authorities at the government level. The efficient handling of the covid-19 situation, providing insights on National Education Policy, popularizing Nobel Prize-winning topics annually, initiating a pledge to make MES a *Swachha Smasthe*, are a few which are noteworthy. The infrastructural requirements/changes are timely and effectively addressed by the management. The academic endeavors of the college are well planned by the HOI with the assistance of the director academics, vice-principal, HODs and the faculty. At the department, level suggestions are taken from the faculty by the HOD for the effective transaction of the prescribed curriculum. The institution believes that

“Quality is not an act, it is a habit”. The IQAC of the institution plays a crucial role in developing a system for

conscious, consistent and catalytic improvement in all the facets. The cell frames suitable strategies for quality enhancement through a facilitative and participative system.

The formation of students' council in a democratic mode paves way for grooming leadership qualities and organizational skills in students. The co-curricular and extra-curricular activities are organized by the members of various committees/clubs with the involvement of students.

The administrative machinery is well-knit in its operation combined with decentralization of various functions shared by vice-principal, IQAC, office manager, and the office staff ensuring efficient governance.

Institutional Values and Best Practices

The institution over the years has sustained in imparting quality education and upholding the core values. It is commendable to note that a strong sense of social and civic responsibility is instilled in the students. The institution strives to encourage the students to develop love and respect for our rich culture, tradition and heritage. This is in fact evident through the celebration of days of national and international importance and various festivals. The institution has focussed on supporting the faculty to extend their research activities and help them in career progression. In addition, the students are also encouraged to develop the research aptitude which transforms them into innovative, analytical and critical thinkers. The well-established research centres at PG Mathematics and Kannada augments our efforts.

In accordance with *Swatchh Bharath Abhiyan*, the institution adheres to keep up the principle of environmental protection. Thus, several measures such as appropriate disposal of solid and e-waste, development of the vertical garden, extension of green landscaping, rainwater harvesting, installation of solar panels, LED bulbs, organizing Eco-Ganesha rallies are undertaken in line with the concept of 3 R's (Reuse, Reduce and Recycle).

Organizing community service programmes and activities like blood donation, planting saplings in surrounding areas, organizing rallies and street plays to create awareness among the general public about the dangerous impact of non-biodegradable plastics, prevention of suicide and importance of organ donation reflect our concern towards the well-being of the society.

Gender Equity is given importance and the institution maintains the principle of providing equal opportunities to all the students irrespective of their gender.

Pre-admission counselling being one of the best practices of the institution has led to building of good rapport between the faculty and stakeholders. Financial support to needy students is extended by the faculty through the creation of *Akansha* fund. This special privilege to the deserving students is acknowledged and well received.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	M. E. S. COLLEGE OF ARTS, COMMERCE AND SCIENCE
Address	VIDYASAGARA PROF. M P L SASTRY ROAD, 15TH CROSS, MALLESWARAM
City	Bengaluru
State	Karnataka
Pin	560003
Website	https://www.mesacs.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal(in-charge)	D Usharani	080-23467045	9845079205	-	mesdegreecollege@gmail.com
IQAC / CIQA coordinator	K M Raghavendra n	080-23341225	9341345445	-	iqacmes@gmail.com

Status of the Institution	
Institution Status	Grant-in-aid

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

Date of establishment of the college	01-01-1958			
University to which the college is affiliated/ or which governs the college (if it is a constituent college)				
State	University name		Document	
Karnataka	Bengaluru Central University		View Document	
Details of UGC recognition				
Under Section	Date		View Document	
2f of UGC	04-07-1994		View Document	
12B of UGC	04-07-1994		View Document	
Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
No contents				

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	Yes autonomydoc_1629724276.pdf
If yes, has the College applied for availing the autonomous status?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	VIDYASAGARA PROF. M P L SASTRY ROAD, 15TH CROSS, MALLESWARAM	Urban	25.686	5572

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BA,Arts	36	Pre University Course or Class XII	English	40	20
UG	BA,Arts	36	Pre University Course or Class XII	English	100	19
UG	BA,Arts	36	Pre University Course or Class XII	English	50	22
UG	BA,Arts	36	Pre University Course or Class XII	English	80	0
UG	BA,Arts	36	Pre University Course or Class XII	English	100	0
UG	BA,Arts	36	Pre University Course or Class XII	English	100	0
UG	BSc,Science	36	Pre University Course or	English	60	14

			Class XII			
UG	BSc,Science	36	Pre University Course or Class XII	English	72	0
UG	BSc,Science	36	Pre University Course or Class XII	English	40	0
UG	BSc,Science	36	Pre University Course or Class XII	English	30	30
UG	BSc,Science	36	Pre University Course or Class XII	English	72	54
UG	BSc,Science	36	Pre University Course or Class XII	English	40	22
UG	BSc,Science	36	Pre University Course Or Class XII	English	50	28
UG	BSc,Science	36	Pre University Course or Class XII	English	72	70
UG	BSc,Science	36	Pre University Course or Class XII	English	60	0
UG	BSc,Science	36	Pre University Course or Class XII	English	45	38
UG	BCom,Com merce	36	Pre University Course or Class XII	English	400	392

PG	MSc,Pg Mathematics	24	Bachelor of Science with Mathematics	English	40	31
PG	MA,Pg Kannada	24	BSc BA BCom with Kannada	Kannada	40	0
Doctoral (Ph.D)	PhD or DPhil,Pg Mathematics	36	Master of Science in Mathematics	English	8	5
Doctoral (Ph.D)	PhD or DPhil,Pg Kannada	36	Master of Arts in Kannada	Kannada	8	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				17				67			
Recruited	0	0	0	0	9	8	0	17	10	32	0	42
Yet to Recruit	0				0				25			
Sanctioned by the Management/Soci ety or Other Authorized Bodies	1				0				26			
Recruited	0	1	0	1	0	0	0	0	2	24	0	26
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				5
Recruited	4	1	0	5
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				26
Recruited	20	5	0	25
Yet to Recruit				1

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				1
Recruited	1	0	0	1
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	1	0	4	3	0	4	10	0	22
M.Phil.	0	0	0	3	4	0	1	10	0	18
PG	0	0	0	2	3	0	6	33	0	44

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	2	2	0	4

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	2	0	2

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
		0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	0	4	0	0	4
	Female	0	3	0	0	3
	Others	0	0	0	0	0
PG	Male	0	3	0	0	3
	Female	0	3	0	0	3
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Certificate / Awareness	Male	18	0	0	0	18
	Female	29	0	0	0	29
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	31	44	40	32
	Female	41	53	46	55
	Others	0	0	0	0
ST	Male	9	11	14	6
	Female	6	13	6	7
	Others	0	0	0	0
OBC	Male	216	222	208	166
	Female	244	279	336	274
	Others	0	0	0	0
General	Male	84	121	141	150
	Female	119	142	134	228
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		750	885	925	918

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
430	426	422	422	422
File Description		Document		
Institutional data prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
19	19	18	17	17

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2501	2681	2624	2351	1990
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
737	753	733	703	703

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
841	836	713	752	718

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
96	110	121	118	109

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
96	110	121	118	109

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 30

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
313.30	145.26	110.73	173.75	37.29

4.3

Number of Computers

Response: 237



4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

The institution was affiliated to Bangalore University till 2018, later trifurcated into Bangalore University, Bengaluru Central University and Bangalore North University. As a result, in August 2018, MES College of Arts, Commerce and Science got affiliated to the Bengaluru Central University which was renamed Bengaluru City University in May 2020. The institution is mandated to follow the curriculum prescribed by Bengaluru City University.

1. Time-table for a semester is prepared by the time-table committee which is followed by all the departments.
2. Departmental meetings are conducted by the Head of the departments for appropriate distribution of topics/units/modules as per the specified syllabus among the faculty members after thorough discussions and consent.
3. Each faculty member prepares a structured lesson plan for the completion of the syllabus in a given specified time of a semester.
4. Syllabi completion is monitored throughout a semester by the Head of departments and at the end of the semester by the Head of the Institution.
5. Faculties are encouraged to practice blended methods of teaching -- chalk and board, and ICT.
6. At the end of every semester, the departments compile the feedback from the students on regularity in conducting classes and completion of the syllabus as per the format given by IQAC.
7. Results analysis of every semester is done after the announcement of the results by the University.
8. Two programmes were introduced in the year 2018 – B.Sc Electronics, Mathematics and Computer Science and B.A History, Economics and Political Science.
9. Faculty members are encouraged to expand their horizon of knowledge through online programmes offered by SWAYAM and COURSERA.
10. Talks and lectures by eminent resource persons are arranged to provide exposure to teachers and students.
11. In order to cater to the academic needs of the student community during the pandemic period, several faculty members of the institution uploaded curriculum-related videos to the Jnananidhi

portal of the Department of Higher Education, Government of Karnataka, and also through YouTube. Department-wise lecture notes were also uploaded to the college website.

12. Curriculum-related industrial visits, educational tours, literary fests, specimen collections and exhibitions are organized by various departments to give practical exposure to the students.

13. The institution offers sixteen add-on courses that enhance the professional competencies of the students and prepare them to face the global market.

File Description	Document
Upload Additional information	View Document

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

1. Continuous Internal Evaluation is done in each semester on the basis of assignments, attendance, class tests for every programme and also preparatory tests in subjects involving practicals.
2. A calendar of events is prepared in line with that of the affiliating university by the IQAC in accordance with the plan of action given by all the departments.
3. The internal assessment tests schedule prepared by the examination committee is duly approved by the HOI and is communicated to the students well in advance. Facility of re-test for the absentee students on request is given if the reason for absence is found to be genuine.
4. The details regarding the submission of assignments are notified to the students by the concerned Head of the departments.
5. Students having a shortage of attendance are informed periodically by the departments.
6. The preparatory practical tests are conducted by the departments after the completion of all the experiments.
7. The end semester practical examination time-table is framed by the concerned Heads of the departments based on the guidelines issued by the respective Chairman of the Board of examiners.
8. The approved time-table is adhered for the conduct of practical examinations.
9. The topics for the projects for the Co-Curricular Activities (CCA) component are given by the IQAC and the last date for their submission is notified.
10. CCA marks are also awarded based on the student participation in activities like competitions, workshops, seminars, sports and other extension activities.

11. The last date for submission of internal assessment marks is notified in the institutional calendar of events.
12. The end semester examination is conducted as per the time-table notified by affiliating University.
13. The proposed academic activities are conducted by the departments as per the stated plan of action.
14. In case of unforeseen circumstances, the schedule/s is/are suitably changed.

File Description	Document
Upload Additional information	View Document

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

Response: B. Any 3 of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 19

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	View Document
Institutional data in prescribed format	View Document

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 28

1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2020-21	2019-20	2018-19	2017-18	2016-17
2	10	7	5	4

File Description	Document
List of Add on /Certificate programs	View Document
Brochure or any other document relating to Add on /Certificate programs	View Document
Any additional information	View Document

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 9.25

1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
47	398	315	216	166

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

Response

The institution continuously attempts to blend traditional practices and rich heritage with the global needs of the modern world. It regularly makes efforts to impart values for the holistic development of the students.

Cross-cutting issues related to Professional Ethics

- 1.The institution inculcates professional ethics through the curriculum in subjects like Political Science, Insurance, Business Ethics, Business Communication in Commerce, Media Laws and Advertisement Ethics in Journalism.
- 2.Life Skills, Indian Constitution and Human Rights, Culture, Diversity and Society are taught to the students.

Cross-cutting issues related to Women and Gender

1. Women and gender issues are discussed in the curriculum of Sociology, Political Science, Kannada and English.
- 2.The English curriculum deals with the prevention of all forms of discrimination based on caste, creed, religion and gender to bring the marginalized sections of the society into the mainstream. Students are taught the values of acceptance of differences and divergent cultures.
- 3.Concerns of the third gender are made known to the students with a view to eliminate the social stigma attached to them.

Cross-cutting issues related to Human Values

- 1.Value Education is imparted as a part of a compulsory core paper to educate the children about making value-based judgments.
- 2.Students are sensitized towards the challenges faced by differently-abled children by visits to special homes.
- 3.Awareness is created among students on registration of voters and the significance of voting in nation building.
- 4.Expert talks are held annually on the occasion of World organ donation day.

5. World Suicide Prevention Day is observed to save precious lives and provide them with a positive outlook towards life.
6. Students are taken on a heritage walk in and around Malleswaram to familiarize them with the rich heritage and culture.

Cross-cutting issues related to Environment and Sustainability

1. Sensitivity towards the protection of environment is reinforced by the study of environment and public health.
2. In 2018, an initiative called MES Swachha Samste was started to keep the institution eco-friendly.
3. E-waste bin is maintained for collecting and disposing of the waste scientifically through an MOU with Messrs. Rashi E-waste Solutions Private Limited.
4. The institution conducts programmes on awareness of conserving the natural resources towards sustainability.
5. Awareness rally is undertaken as an annual feature to educate both the students and the residents of Malleswaram area about the dangers of lead paint and the significance of the use of unpainted Ganesha idols.
6. Outreach programmes – ‘Learning mathematics through models’ and ‘Awareness on hygiene and sanitation were conducted for children of a government higher primary school. Likewise, children of another government primary school with Tamil as a medium of instruction were taught to read and write Kannada.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document
Any additional information	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 1.18

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
4	6	6	5	4

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 5.48

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 137

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni

Response: A. All of the above

File Description	Document
Any additional information (Upload)	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. Feedback collected, analysed and action taken and feedback available on website
2. Feedback collected, analysed and action has been taken
3. Feedback collected and analysed
4. Feedback collected
5. Feedback not collected

Response: C. Feedback collected and analysed

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document



Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 59.19

2.1.1.1 Number of students admitted year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
749	885	925	918	815

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1474	1506	1466	1406	1406

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 77.15

2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
545	622	650	540	448

File Description

Document

Average percentage of seats filled against seats reserved

[View Document](#)

Any additional information

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

The institution lays emphasis on the importance of assessment of students' learning levels for their progression in academics. The first mode of assessment is through the in-person engagement of the teacher with students in a classroom. A teacher gauges the extent of understanding of the topic being taught and takes appropriate steps so that all students are able to advance.

1. The calendar of events drawn at the beginning of a semester has the schedule for the internal test for all the students.
2. Academic performance in the test is assessed and slow learners are identified subject-wise at the department level.
3. Remedial classes are arranged to facilitate the slow learners to comprehend concepts, solve problems and clarify doubts which are required for continuity in learning a subject.
4. Additional tests and assignments are given to help them build confidence and prepare them on the lines of end-semester examination.
5. Faculty provide guidance on the method of writing answers in the end-semester examination, furnish question papers of previous years and share the scheme of valuation with the students.
6. Mentors interact with the mentees to identify the learning-difficulties and take appropriate measures to support them in their advancement to the following semester.
7. High achievers amongst freshers are identified through the academic performance in the qualifying examination and subsequently in the internal tests. They are motivated to scale-up the learning levels through reading advanced-level text books and participation in co-curricular activities, both intra and intercollegiate events. They are also trained to present papers in conferences and make presentations in seminars with an objective to excel in various facets such as use of ICT, public speaking, communicative skills and content delivery.
8. The IQAC in association with the departments provides enhanced learning opportunities to students who are potentially advanced learners to make a niche in their career and contribute to society. Seminars /conferences/ workshops organised on topics related to academics give deeper insights about the concepts and augment their learning.
9. The institution offers Add-on courses which is a gate-way to learning beyond the curriculum.
10. A research culture is inculcated in students through the course of conception, planning and implementation of projects, both at the UG and PG levels. Students are guided to work on projects and are facilitated to submit the reports after completing the mandated procedure. This training lays

the foundation for aspirants to pursue their research work for PG/doctoral degree in the chosen domain.

11. Study material and guidance are provided to students desirous of preparing for competitive examinations.

12. The Management and the institution have organised Nobel Insight Lecture Series every year, since 2017, after the Nobel prizes are awarded in the fields of Physics, Chemistry, Economic Science, Physiology or Medicine, Literature and Peace. In addition, Field Medal Lecture in Mathematics is arranged. Eminent speakers are invited to the institution to speak about the work in each field. These programmes are organised to inspire students to sustain high levels of achievement not only during their course-work but long-term learning throughout their career.

File Description	Document
Upload any additional information	View Document

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 26.05

File Description	Document
Any additional information	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

Teaching and learning processes play a crucial role in moulding a student towards holistic development which is aligned with the vision of the institution. The faculty members plan and devise numerous methods to augment regular lectures and to ensure that there is no 'impedance mismatch' between the topics taught and those learnt.

I. Innovative methods of teaching and learning: Innovative methods are adopted for teaching specific topics from a pedagogical perspective. The focus is to teach the concepts in a simplified format that enhances their learning outcomes.

II. Experiential learning: The practical sessions in the laboratories provide students a hands-on experience to make a connect between the concepts learnt in classrooms to the procedural aspects and inference through the results of the experiments. Lab manuals are prepared meticulously by the faculty that enable the students perform experiments in a systematic method and develop analytical skills. Further, use

of ICT resources/software in mathematics and computer lab sessions develop their programming and computational skills.

Simulated learning environments are created for commercial and managerial aspects, understanding characters in a play, sample collection programmes, industry and field-visits and visits to research institutes organised by the departments which have enabled students to supplement the theoretical knowledge learnt in classroom and enhance learning experiences. The above methods of learning support mini-group work both inside and outside the college environment and interactions within the group which empower students to expand their knowledge-base. Visits are organised to places of historical significance and museums to supplement their understanding.

III. Learning from theme-based movies

Theme-based movies relevant to the syllabus that enrich the learning experiences of students are screened. This enables them to understand various characters, essence of dramatization, appreciate the nuances in a play and behavioural aspects as intended to be.

IV. Participative learning: The departments organise student-centric activities such as exhibitions, poster presentations, collage-making, model-making on specific curriculum-related topics to corroborate learning. This gives scope for learning, planning, implementation and in addition, to being creative in presentation. Group discussion is an activity specifically devised to share deeper thoughts and bring out ideas that also reflect students' understanding of the topic. Projects that are mandated in the syllabus are assigned to groups that pave way for participatory learning. Research projects are also undertaken with the active involvement of a group of students. The skills related to writing a project /research article/report are honed by giving the students an opportunity to be aware of the systematic method of presentation. In-house bulletins and newsletters such as *Spiritus*, *MES Bulletin of Applied Sciences and Youth Inc.* that comprise of articles by students are released periodically.

V. Library Reading-hour

Text books that are relevant to the syllabus and accessible in the library are recommended to the students by the faculty. Students read the books in the library in the reading hour. Special references are facilitated through the department libraries.

VI. Problem-solving methodologies

Learning gains are assessed through quizzes, problems and puzzles related to the topics in the curriculum.

File Description	Document
Upload any additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Information and communication technology have made significant inroads into the teaching-learning domain in our institution in the context of technology-driven scenario. Aligned with our vision of providing quality education, ICT tools and resources are used as handles for blended teaching and learning methods.

Teaching-learning

- Internet resources such as graph plotter, graph calculator, diagrams depicting development and life cycles of organisms, 3-D animations and videos are aptly integrated into conventional class-room teaching methods.
- Google classroom, a Learning Module System is used to post written-notes for topics in the syllabus, power point presentations, images from the internet with text content and videos/video links for comprehensive understanding. It is also used to disseminate information related to opportunities of higher learning such as online courses and special invited talks organised by institutes of advanced learning.
- Mobile phones are also used as effective and quick method of dissemination of course content.
- Study material and question papers of previous years required for preparation of internal test and end-semester examination are posted in the student groups.
- Meeting platforms such as Google Meet and Zoom have been utilised in conducting regular online classes.
- The faculty members have an individual institutional email id to schedule online classes in G suite.
- Each student is required to create Gmail id with their register number followed by name (ex. Register number.name@gmail.com).
- The link for a class that is scheduled according to the time table is shared with the class representatives or posted on WhatsApp group of the students of the class.
- Submission of assignments, administering online tests and feedback google docs in Google classroom have given our students an adequate acquaintance with the processes related to being in a virtual classroom.
- Use of ICT among students is promoted through seminar presentations, participation in intercollegiate events and by employing software tools such as MATLAB (licenced version) and Latex, Scilab (open-source).
- Faculty members and advanced learners make optimum use of the e-resources available for literature review and to write research articles.

E-resources:

- YouTube Videos are made by the staff members to articulate the content in a manner that the

students can understand efficiently and the links are shared.

- Videos on select topics are also posted on the web portal of Directorate of Collegiate Education, Government of Karnataka -*Jnana Nidhi*.
- E-material created are posted on our college website.
- The repository of topic-wise study material and videos in INFLIBNET, an e-PG *Pathshala* are recommended by the faculty. Students have access to e-books from the computers in the library using INFLIBNET.
- Information about video lectures developed as NPTEL, a project of MHRD is provided for enhanced learning.
- MES College has registered to get licence for Coursera-Online certificate courses. Hundred students obtained free registration between April and September 2020.

Certificate courses related to numerical computations using **Scilab** and **Python** have provided students an opportunity to explore a powerful computing environment for Mathematical and Physical applications in addition to the regular computer laboratory sessions.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 32.91

2.3.3.1 Number of mentors

Response: 76

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 23.4

2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
26	27	31	22	23

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 10.92

2.4.3.1 Total experience of full-time teachers

Response: 1048

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

The institution adheres to a transparent and robust mechanism of internal assessment (IA) that is formative and summative across all programmes. This is significant as the IA marks reflect the learning gains of a student at the end of the semester and the programme.

1. The institution follows the guidelines related to the maximum marks allotted for IA, both in theory and practical, that are specified in the syllabus of a subject.
2. IQAC has spearheaded the reforms in IA marks with division under three main aspects as a uniform strategy of the institution: Internal test, assignment and attendance.
3. The internal test and assignment components are oriented to test students' learning gains, further to attainment of the programme outcomes.
4. Information about IA is disseminated in the orientation programme and in the introductory class by the faculty.
5. The schedule for internal tests is listed in the academic calendar prepared prior to the commencement of semester classes and are conducted by the members of the examination cell.
6. The mode of assessment for the assignment component is flexible and students are assessed on components such as written assignments, seminars and project reports. It is announced in the classes by the faculty members.
7. The proportion of marks for attendance component is decided on the consensus of all the staff members.
8. Students representing college in co and extra-curricular activities are permitted to submit the assignment beyond the due-date and are also given due consideration in attendance.
9. The division of IA marks for practical subjects is mainly based on regularity in performing the experiments, performance in practical test and submission of practical record.
10. Students write the tests in the answer booklets provided by the institution and are valued by the faculty.

11. IA marks are compiled by the faculty members and are made known to the students through entries in a register. Students report any incorrect entries to the faculty member /Head of the department. Appropriate and speedy corrective measures are taken on a case-to-case basis. Students are required to acknowledge the final entries through their signatures.
12. An IA committee is constituted with a senior faculty member as the convenor and eight members representing all the programmes.
13. The hard copies of the IA marks (theory and practical) list of all semesters is submitted by the HoD to the Convenor of the IA Committee.
14. The CCA marks of students are awarded based on project work/participation in co-curricular and extracurricular activities and submitted by the departments to which they have been assigned.
15. Entry of marks is done diligently on the college portal of the University which is password-protected; accessible to only the HoI, HoDs and Convenor of the Internal Assessment Committee.
16. The uploaded marks are checked with the hard copies and subsequently 'freezed' as submission from the institution, following the time-lines stipulated by the University.

The frequency of administering internal test is two for PG students and one, each in theory and practical for UG students, per semester.

File Description	Document
Any additional information	View Document

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

The institution adopts a mechanism that provides a level-playing field related to grievance addressal of internal test and external examination.

Internal assessment

- Any grievance related to the marks awarded for the components of internal assessment is addressed at the department level. The faculty members resolve the queries with due consideration of the case without any bias and on verification. In case of discrepancies in the internal test, the test papers are checked and the marks that a student merits is accorded.
- The grievances related to attendance of the students are addressed on verification with the attendance registers.

- The revised marks, if any, are entered in the register maintained as record of internal assessment. The student acknowledges the revised marks and entries.
- There is a mechanism across all departments to allow students to take re-test (for IA) for a genuine reason of a student's absence for the written test.
- Related to practical, students who are unable to attend the regular class for any genuine reason, are allowed to complete the stipulated number of experiments with the permission of the faculty. On evaluation of the observations recorded in the practical manual, the entry of internal assessment marks is made.

If students of any batch express their intent to repeat an experiment, repetition of the experiment is permitted with due permission from the HoD during the time the lab is not engaged by any batch of students. These enable students to prepare for practical test, to enable them submit the record duly certified as marks are allocated for the submission of practical record in the end-semester practical examination.

- In case, a student is unable to attend the practical test /end-semester practical examination on the scheduled date in the practical time-table, a request letter is received from the student that is addressed to the HoD. The practical test/ examination is rescheduled on a date as per the request made by the student.
- In case of discrepancies in the names of students on the portal of the University, the Convenor of the Internal assessment Cell addresses the problems by timely correspondence with the help desk of the university. The convenor of IA Committee ensures that the marks of all the enrolled students are entered on the portal.

External examination

- The grievances related to the entries in the marks statement issued by the University are brought to the notice of the HoI personally by the students through a written format. The grievances of the students are represented at the University level by correspondence with the Registrar (Evaluation) through the liaison officer of the institution.
- The end-semester examination related grievances that are not resolved well within time, are represented (through the HoI and Liaison officer) at '*Student Adalat*'- a platform provided by the University to address the grievances.

File Description	Document
Any additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

As an affiliated college, the institution follows the syllabus and scheme of valuation as per university guidelines for a 3-year UG programme and a 2-year PG programme.

Course outcomes:

The course outcomes are correlated to the subjects/topics which students learn in a particular semester and also to the hand-on experience in labs. The semester-specific course outcomes are enlisted by the faculty members of every department keeping in view the course content. The students are expected to gain a knowledge-base on diverse topics and in addition, develop language-related skills. They are expected to achieve success in the end-semester examination in all the subjects.

The syllabus of all the semesters is shared by the teachers with the students at the commencement of a semester and are instructed to keep a copy for reference.

The outcomes of lab sessions are also drafted with focus on the expected learning gains on various facets such as psychomotor, computation, identification, analysis and trouble-shooting. The lab training is intended to bridge the gap between classroom teaching and lab activity. Students are appraised repeatedly about the importance of experiments as hands-on experience.

Teachers are aware of the course outcomes and prepare the course-lesson plan that is oriented to meet the course outcomes. Effective delivery of the curriculum by the teachers as per the college time-table, is ensured at the department level which primarily facilitates achievement of course outcomes. The course outcomes are communicated to the students at the commencement of a semester and the faculty emphasise on the practical applications of the topic taught in various fields.

Programme outcomes:

- The programme outcomes are aligned with the vision of the institution which is holistic development of human capital through quality education.
- The expected outcomes of a programme are stated by taking the inputs from faculty members of the departments of a programme and in coherence with the teaching-learning methods adopted for the transaction of the curriculum progressively.
- The course and programme outcomes are submitted to the IQAC for perusal and approval. The outcomes are subsequently uploaded on the college website. The same are made known to the students during orientation/induction programme.
- Course/program outcomes are updated on the college website for subjects that the syllabus has been revised.

Objectives of conducting certificate courses are stated explicitly with focus on the skill development and are highlighted in the proposal to commence the course and later to the registered students. The relevance of the course in terms of additional and special skills that students would acquire for higher education/employability is made known in the classes on a regular basis.

Appropriate strategies are planned in the meetings for the ensuing semester at the department level and in addition, with due consideration of the feedback from IQAC to the respective departments.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document
Upload any additional information	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

The institution provides the learning environment that is suited for students to attain the course and programme outcomes with focus on fostering academic growth and capacity building. The IQAC conducts a survey related to teaching-learning at the end of a semester and analyses the feedback. Pertinent aspects of the feedback are discussed in the IQAC meeting with an objective to enhance the learning experiences of students.

Course outcomes

Classes are conducted regularly and teachers deliver the curriculum as per the lesson plan. The learning gains of the students are gauged in the classes after the topics are taught by the teachers and are evaluated through the internal written tests conducted in all subjects before the end-semester examination. The answer scripts are valued and returned to the students and feedback is provided for improvement. The performance in the internal tests is known through the marks obtained. A second chance to submit the assignments and to write the test is given to the students who represent the college in co-curricular & extra-curricular activities to help them realise one of the components of course-outcomes.

The students are trained to work towards attainment of course outcomes by providing previous years question papers, expected model answers and the scheme of valuation. The students' progression from semester to semester is monitored through the result analysis. The mentors guide the mentees to enable them to scale-up their performance-levels to meet the expectations in the ensuing internal test and end-semester.

The end-semester results beginning from the I semester to the VI semester for UG courses and to the IV semester for PG courses are a validation of the achievement of stated course-outcomes.

Programme outcomes

The cumulative performance in all end-semester examinations leads to the attainment of stated programme outcomes due to the direct correlation between the two. The pass percentage over the past five years is an affirmation that the programme outcomes are attained. The institution has secured 13 University ranks and 6 gold medals in the University examinations during the last five years.

The Faculty of Research Centre in Applied Mathematics have guided five research scholars and have been awarded Ph.D by the affiliating university during the last five years.

In addition, student-centric activities organised and the teaching-learning methods adopted have enhanced students' learning and their pro-active participation with a quest for knowledge and have enabled the attainment of programme outcomes. The feedback from students and alumni in orientation programme also reflects the same in a positive way.

Students have pursued higher education after the completion of the programme and have also been placed by recruiting companies. Students who register for a certificate course offered are trained towards completion of the course successfully with the acquirement of additional skills.

Our alumni are in good positions in a multitude of organisations/ companies/ institutions.

File Description	Document
Upload any additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 85.68

2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
734	753	625	639	563

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
841	836	713	752	718

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process	
Response: 3.36	
File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 5.5

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0.0	0.0	0.15	0.15	5.2

File Description	Document
List of endowments / projects with details of grants	View Document
e-copies of the grant award letters for sponsored research projects / endowments	View Document
Any additional information	View Document

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 6.25

3.1.2.1 Number of teachers recognized as research guides

Response: 6

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 1.87

3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1	0	0	0	1

3.1.3.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
22	22	21	21	21

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Any additional information	View Document
Paste link to funding agency website	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

The institution has created an ecosystem by framing a policy for innovations under Intellectual Property Rights and constituting a Research Cell for creation and transfer of knowledge.

Intellectual Property Rights

Innovative products that are created have commercial value and are assets of the institution. To create an ecosystem for innovation, the institution provides adequate facilities and guidance to teaching, non-teaching staff and students. The institution encourages conducting workshops, seminars, conferences on advanced topics and industry/academia collaborations.

In this regard, our institution has the following policy:

1. Provides seed money for research activities.
2. Encourages inter-departmental collaborations for research and Add-on courses.

3. Promotes collaborations with other academic institutions and industries.
4. Provides financial assistance to conduct software training, seminars and workshops on current and advanced topics.

Research Cell

The college has constituted a Research Cell for the advancement of research activities of faculty and students. The cell enables the creation of an ecosystem to interconnect and interact with the learned community. Accordingly, the cell has developed an initiative called Departmental Advisory Committee (DAC) for transfer of knowledge. The DAC of each department includes faculty as its members and an external advisor who can guide research and other academic activities.

The institution has two research centres associated with the postgraduate departments of mathematics and kannada. It is mandatory for the research centres to have a Research Advisory Committee (RAC) that regulates research activities. The Research Centre in Applied Mathematics has received funding continuously from DST, UGC, VGST, KSTA and Science Academies for major, minor research projects and organizing lecture series. This centre has been recognised as the Centre for Innovative Science Education (CISE) by the Government of Karnataka since 2011.

The following are the aims and objectives of the research cell:

1. To recognize the thrust area of research.
2. To train teachers to write research papers and proposals for research projects to funding agencies like UGC, CSIR, DST, NBHM, KSTA and Social Women and Welfare Association.
3. To encourage student participation in research activities.
4. To publish papers and articles in reputed journals.
5. To train students and staff to use the latest software in research activities.
6. To encourage faculty to host and attend seminars, workshops and conferences on recent developments in research fields.

The institution arranges Nobel Insight Lecture series as an outreach initiative to create awareness among students, faculty and general public every year, as soon as the Nobel prizes are announced. The P. G. Department of Mathematics and the Research Centre in Applied Mathematics arrange talks on the topics of Fields Medal conferred on young mathematicians.

File Description	Document
Upload any additional information	View Document

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years**Response:** 78**3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
19	18	17	11	13

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document

3.3 Research Publications and Awards**3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years****Response:** 2.29**3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years**

Response: 16

3.3.1.2 Number of teachers recognized as guides during the last five years

Response: 7

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI website	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years**Response:** 1.02**3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five**

years.

2020-21	2019-20	2018-19	2017-18	2016-17
19	37	13	19	25

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.77

3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
14	27	12	16	16

File Description	Document
List books and chapters edited volumes/ books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

The institution has NCC,NSS, Rovers and Rangers, Students Council, Legal Awareness Cell, Youth Red Cross Unit and MES Rotaract Club through which awareness activities are conducted on social issues, legal awareness and personal wellbeing.

- 1.The institution formed a Covid Counselling Cell in April 2020 to help students to effectively deal with covid situation. The institution coordinated with BBMP and Dr C N Ashwathnarayan Foundation in arranging six vaccination drives free of cost to the public, students and staff of the

institution, benefitting nearly 1700 people.

2. NCC, NSS, Rotaract club of MES and Youth Red Cross Unit conduct blood donation camps annually. MES Rotaract club won the “**Guinness World Record**” for its contribution in a mega blood donation camp in August 2016.
3. As a part of Swachh Bharat Abhiyan, our institution has pledged to be a *Swachha Samsthe*.
4. International E-Waste Awareness Day was held to sensitise students and faculty about ill effects of improper disposal of e-waste. Student volunteers visited neighbouring schools and apartments as e-waste awareness ambassadors.
5. NSS identifies villages every year near Bengaluru and organizes camps for creating awareness on cleanliness, women’s hygiene etc. Isthoo and Machanahalli are the two villages which are being visited for the last 25 years. In 2020, a walkathon was arranged to raise funds for development of Government Girls Model School in Magadi.
6. Digital India Abhiyan was initiated by training students on usage of BHIM App.
7. Roadside vendors were educated by MES Rotaract Club about the ban on non-biodegradable plastic.
8. Eco Ganesha Rally is held to create awareness about the use of unpainted Ganesha idols.
9. Heritage Walk-*MANTHANA NAMTANA* was held by the department of History to explore a 400-year-old temple in Malleswaram.
10. World Suicide Prevention Day and World Mental Health Day are observed since 2018, by arranging street plays, conducting rallies and distributing pamphlets in the nearby institutions.
11. Significant days of social relevance are observed annually for sensitizing students regarding issues like alcoholism, smoking and human –animal conflict.
12. Cultural awareness is promoted by celebrating *Sanskrit Day, Gita Jayanti, Tyagraja Jayanti, Kavi Dina*.
13. Independence Day, Republic Day, Gandhi Jayanti, Armed Forces Flag Day, Kargil Diwas, Parakram Diwas are celebrated with the involvement of neighbourhood community.
14. Members of MES Rotaract Club visit orphanages and old age homes and spend quality time with them. On National Immunisation Day, they participate in Pulse Polio drive. In 2020, they organised a Walkathon for raising funds to help under privileged children for their online education.
15. Legal Awareness Cell organized a rally to sensitise the general public about the significance of the voting rights.
16. *Santasada Ganita Kalike*, an activity-based method of teaching mathematics was arranged by department of Mathematics (UG) in a government school.
17. Students of Biotechnology visited Government girls’ schools to create awareness regarding personal hygiene, sexual harassment, women empowerment and the old age home-*Seva Sadana* and spent valuable time with elders.
18. Computer science faculty taught specially-abled students at Aruna Chethana to create a power point presentation.

File Description	Document
Upload any additional information	View Document

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 6**3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
1	2	1	1	1

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**Response: 119****3.4.3.1 Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
24	42	26	18	09

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years**Response: 37.64****3.4.4.1 Total number of Students participating in extension activities conducted in collaboration**

with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
500	1000	1000	1000	1000

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 20

3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
9	3	5	3	0

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 19

3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2	8	3	3	3

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

- 1.The institution is equipped with classrooms, laboratories and computing devices.
- 2.There are 27 classrooms, out of which six rooms have LCD projectors. The campus is Wi-Fi enabled and all the classrooms have LAN facility. The classrooms have physical resources like pinup notice boards, benches, desks, chairs, tables, boards, CCTV cameras, lights, fans, clocks and waste bins.
- 3.All 23 departments have LAN facility. The departments are well furnished and are provided with computing equipment like computers/ laptops,printer/scanner/xerox machines, web cameras and speakers. Portable screens are available to enable presentations.
- 4.The Commerce and Science (UG & PG) departments have well-equipped laboratories provided with multiple LAN connections. The department libraries have books and journals. The post graduate departments of Mathematics and Kannada are equipped with classrooms, computing equipment and laboratories as required.
- 5.The college auditorium, quadrangle and the stage are used to conduct academic events, seminars, workshops, conferences and the annual convocation. The stage in the quadrangle doubles up as a reading space too.
- 6.There is a seminar hall on the second floor with a seating capacity of 70, projector, screen and LAN facilities. This seminar hall is also used to conduct classes / Add-on courses.
- 7.Drinking water facility has been improvised with the installation of 2 more Reverse Osmosis [RO] water purifiers that can purify upto 2500 litres per day.
- 8.Textbooks, notebooks, practical records and stationery are available at subsidized rates in MES Educational Institutions Co-operative Society ® housed in the college premises.

ICT facilities in Classrooms, Laboratories and Departments in the institution:

1. **Total number of classrooms with LAN – 27**
2. **Total number of classrooms with LCD projector with screen – 06**
3. **Total number of classrooms with CCTV cameras – 27**

4. Total number of laboratories with LAN – **20**
5. Total number of laboratories with CCTV cameras – **20**
6. Seminar Hall/Auditorium with LAN, CCTV cameras, LCD projector with screen - **02**

File Description	Document
Upload any additional information	View Document

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

The institution encourages and facilitates student participation in cultural activities, indoor and outdoor sports at college, university, and national levels.

Sports Facilities:

1. The annual athletic meet and practice sessions are conducted in the university /nearby grounds on a rental basis.
2. The institution has a well-furnished and equipped department of Physical Education.
3. It has a storage space for the equipment related to indoor and outdoor games including athletics, which measures 310 square feet.
4. Table Tennis [TT] room with 2 foldable TT Tables and anti-skid flooring, measuring 483 sq. ft. was renovated in 2018.
5. Shuttle Badminton and Basket Ball courts are marked in the quadrangle, measuring 9600 sq. ft and are used by the enthusiasts every day.
6. There are board games like Carrom and Chess available for the students and staff.
7. A full-fledged gymnasium, established in phased manner between 2017-2020, measures 310 sq. ft. comprises of 4 station multi-gym equipment, treadmill with speed and inclination control, spin bike with speed control, dumbbells of various weights, trunk twister, bench press equipment and international standard weight lifting set. The gym has an anti-skid customized matting floor, mirrors on two side and a music system.
8. Yoga sessions are conducted on the stage (area of 3000 sqft). The quadrangle also offers additional

space.

Cultural Activities

- 1.The institution has a big quadrangle with a seating capacity of 300 for conducting cultural activities, both intra and inter-college events.
2. The auditorium with a seating capacity of 200 is also used for organizing concerts, fine arts workshops and other cultural programmes.
- 3.MES Kalavedi, the cultural wing of MES, organises music concerts, drama and dance for MES staff, students, art and music lovers in the auditorium.
- 4.The quadrangle and the auditoriums are equipped with good sound and lighting system to conduct various events. There are backstage green rooms for artists.

File Description	Document
Upload any additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 56.67

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 17

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 5.41

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
8.57	6.43	10.51	1.20	3.61

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	View Document
Upload audited utilization statements	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

The library is partially automated using Easylib Library Automation Software, an Integrated Library Management System (ILMS) in 2003.

The nature of automation includes main modules of acquisition, catalogue & accessioning, members details, periodicals, circulation, In/Out management, Online Public Access Catalogue (OPAC) and reports with various sub-modules and features like generation and printing of barcode labels and borrowers' cards.

The system is regularly upgraded with latest version from 4.4.1 to 4.4.8 with the integration of different '.exe' for different main modules in sync with the up-gradation and custom.

File Description	Document
Upload any additional information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: B. Any 3 of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 2.39

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
2.22	2.39	3.13	2.31	1.90

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the last five years (Data Template)	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 5.35

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 139

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The institution is committed to provide its students and faculty the required technological amenities that are readily available for their use. This is in line with the vision of the institution to empower them in their academic pursuits and keeping abreast of the latest developments in their domains.

The major initiatives that are undertaken to upgrade and update the IT facilities are:

1. Since 2016, the institution has upgraded its internet facility from two to four connections - NME ICT (National Mission on Education through Information and Communications Technology) 40 MBPS. One BSNL connection was upgraded from 100 MBPS to 300 MBPS.
2. Two new BSNL connections of 300 MBPS each (fiber ultra-plan) have been taken.
3. The campus is Wi-Fi enabled with the enhancement of Wi-Fi devices from 4 to 13.
4. All the classrooms, departments, and laboratories are equipped with LAN connections.
5. A well-equipped seminar hall having facilities such as projector, screen, and LAN connection was established in 2020, with a seating capacity of 70.
6. The department of mathematics [PG] and Research Centre in Applied Mathematics has 20 N-computing systems connected to 2 servers with browsing facility for conducting laboratory sessions, large-scale coding projects and to perform research activities. The required softwares are installed to carry out the academic work without any hindrances. The department of electronics is provided with 20 N-computing systems, the department of physics with 6 N-computing systems and library with 18 N-computing systems.
7. Microsoft Windows 10 PRO-Professional OLP academic and MS Office PRO 2016 OLP academic-licensed software have been procured for 97 systems during 2019.
8. The upgradation of all softwares is done on need basis.
9. In the year 2017, three labs have been set up comprising of 49 systems in one lab, 24 systems each in two other labs with UPS and internet facilities. These laboratories are used to conduct (a) regular lab activities by the departments of computer science, mathematics (UG) and commerce (b) Add-On courses by various departments (c) placement cell activities.
10. The college office has been equipped with 9 new desktops-Dell optiplex, model no.3080 -with Windows10 operating system, i5 with 8GB RAM, in the year 2021. The office has seven printers and one xerox machine and uses Licensed Accounting software – Tally 9.0
11. One Epson L6190 Wi-Fi Duplex all in one colour printer has been provided for the IQAC .
12. Library has one duplicating machine (Ricoh Gestetner 90 to 135 cpm) and one photocopy machine

13.ERP is introduced in the institution since 2019. The various modules are being introduced in a phased manner. The implemented modules are –

- Admission module
- Fee module
- E-paata - a mobile app used by teachers to take attendance, upload timetable and study material.

A redesigned college website www.mesacs.in has been launched in 2018 and is fully functional.

Currently, the institution has 237 systems comprising of 12 Laptops, 156 desktops, 64 N-computing systems, and 5 servers.

File Description	Document
Upload any additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 10.55

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution

Response: A. 750 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 63.3

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
90.68	139.10	61.04	41.78	42.00

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.**Response:****Procedures and policies for maintaining and utilizing physical, academic and support facilities:****PHYSICAL INFRASTRUCTURE:**

- 1. The management has appointed a Manager (Engineering and Maintenance), who in co-ordination with the HOI, Vice-Principal and the office manager does the maintenance of physical infrastructure in the college.**
2. The Infrastructure maintenance committee conducts periodic checks of the building, classrooms and laboratories.
3. All classrooms, staff rooms and wash rooms are provided with dustbins. The washrooms were renovated in the year 2018-19.
4. The college outsources housekeeping and security. It has contract with Delta security and management services which provides three security staff and five housekeeping staff for maintenance of hygiene and cleanliness in the campus. Their work is supervised by the office manager.
5. The college campus is monitored in two ways:
 - Physical monitoring by three security personnel
 - Virtual monitoring through 85 surveillance cameras in and outside the campus. The video feed is available to the HOI for inspection.

6. Annual verification of stock is undertaken by departments, library and the office.
7. Maintenance of generator, air conditioners, elevator and RO water purifiers is under annual maintenance contract whereas electrical and plumbing work are carried out on need basis.
8. Fire extinguishers are installed on each floor and regular inspection is undertaken.
9. Energy meters are merged into one as a single metering system for power maintenance. Earth leakage (ELCB), miniature circuit breaker (MCB) as well as separate transformer are provided in the institution

INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) FACILITIES:

- 1. The System Technician is in-charge of maintenance of computers and accessories .**
2. The laboratory assistants are in charge of equipment maintenance in the respective laboratories.
3. Servicing of computers, printers, reprography machines and laboratory equipment are undertaken regularly.
4. The reports related to any ICT requirements and maintenance are to be submitted by the HODs to the HOI. The HOI forwards the submitted reports to the management for perusal.
5. In the year 2019, the college has signed the Memorandum of Understanding (MOU) with M/s. Rashi E-Waste solutions private limited to collect and dispose off the e-waste.

SPORTS FACILITY:

- 1. The Director of Physical Education is in-charge of the maintenance of all sports equipments.**
2. The Director is required to conduct an annual stock checking and submit the report to the HOI.
3. The institution hires the Bruhat Bengaluru Mahanagara Palike (BBMP) or the university grounds to conduct the annual sports activities every year.
4. In consultation with the Director of Physical Education and the sports committee, the institution utilizes the Bangalore university sports development fund and Bengaluru City University sports

development fund for sports activities.

5. The institution provides jerseys, travelling and daily allowances to students who participate in inter-college and university level sports events.
6. In 2017, gymnasium was set up for the students and faculty of the institution. The Director of Physical Education is responsible for its maintenance.
7. The Director of Physical Education is also in charge for Table Tennis room maintenance.

LIBRARY AND INFORMATION CENTRE:

1. The maintenance of library is done by the librarian and the library staff.
2. The allocation of budget for the respective year is done by the library committee. The same is informed to the respective HODs, who are required to provide the list of books and journals for purchase. On receiving the list, the librarian places the order.
3. Annually, verification of stock is undertaken. The librarian prepares the schedule and allots the verification work to all the departments and it is carried out accordingly.
4. The library weeds out the old and worn out books periodically, after the list of segregated books is given by the concerned department/s to the librarian. Then, through the HOI it is forwarded to the management for their approval.
5. The library staff is helped by the Library committee in planning and implementing programmes that will make the library an useful learning and resource centre for teachers and students.
6. The electronic resources such as CD-ROMs, online journals, online books, Online Public Access Catalog (OPAC) and internet play a significant role in facilitating an easy and expeditious access to required information to users.

SERVICE ORIENTED PROGRAMMES AND CLUBS:

NCC, NSS, Rovers and Rangers, MES Rotaract club, Youth Red Cross unit and various other clubs are vibrant in the college and are exclusively in-charge of the maintenance of all equipment under their charge. They are required to conduct annual stock verification and submit the reports to the HOI.

GENERAL PROCEDURES AND POLICIES:

- 1.The heads of the departments submit the requirements to the purchase committee of the institution through the HOI. For any purchase of Rs.10,000/- and above the quotations are called and sent through the HOI to the management for their approval.
- 2.To help students to cultivate relevant skill sets required for the job market in the current scenario, various departments and placement cell are permitted to conduct Add-On courses. To initiate and run an Add-on course, the college has a prescribed format and policies that are framed by IQAC and approved by the management.

2020-2021 YEAR OF COVID-19 PANDEMIC:

- 1.The institution adheres to the Standard Operating Procedures issued by the central and state governments, from time to time and takes necessary monitoring steps during the pandemic.
- 2.In collaboration with Dr. Aswathnarayan Foundation and BBMP, the college conducted six free vaccination drives for students, staff and general public.

PRECAUTIONARY MEASURES:

- 1.Fumigation of entire campus is done at regular intervals.
- 2.In liaison with BBMP, the RT PCR tests were conducted to the staff and students for 6 times during 6 months.
- 3.Sanitizer dispensers are kept at the entrance of the college
- 4.Thermal scanning is done by the security personnel at the entrance.
- 5.The staff are provided with face shields, gloves and sanitizers.

File Description	Document
Upload any additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 1.3

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
162	0	0	0	0

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	View Document
Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)	View Document

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 0.22

5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
28	0	0	0	0

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freships institution / non- government agencies in last 5 years (Date Template)	View Document

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 8.23

5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
185	373	35	177	218

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances

including sexual harassment and ragging cases

- 1. Implementation of guidelines of statutory/regulatory bodies**
- 2. Organisation wide awareness and undertakings on policies with zero tolerance**
- 3. Mechanisms for submission of online/offline students' grievances**
- 4. Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression**5.2.1 Average percentage of placement of outgoing students during the last five years**

Response: 12.56

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
11	135	122	74	132

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 13.79

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 116

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 45.99

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2	12	8	1	8

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
13	43	12	5	8

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document
Any additional information	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 27

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
1	17	0	3	6

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

Student representation and engagement in various administrative, co-curricular and extracurricular activities are as follows:

1. The student council comprises of President, Vice President, Boys' Secretary, Girls' Secretary, Boys' Sports Secretary and Girls' Sports Secretary.
2. Students file nominations for the posts of President, Vice President, Boys' Secretary and Girls' Secretary as per the eligibility norms specified by the Student Welfare Officers (SWOs).
3. After a week of campaigning, the members are elected by a general election held in college, which is conducted by the faculty.
4. The elected student council conducts elections for all classes to the posts of class representative and sports representative under the guidance of SWOs.

5. The sports representatives of all the classes elect the Boys' Sports Secretary and the Girls' Sports Secretary.
6. IQAC has three UG and two PG student representatives.
7. The student council is responsible for conducting cultural events like Freshers' day, Ethnic day, College day, Anubhav (the annual inter-collegiate fest), celebration of Ganesha festival and National festivals like Independence day, Republic day and Gandhi Jayanthi, under the guidance of the student welfare officers.
8. The class representatives help the faculty to inform their class about important announcements, collection of assignments, scheduling additional classes and rescheduling of classes, whenever necessary.
9. Sports Committee of the institution comprises of the physical education director and five to six faculty members. The sports secretaries are a part of the Sports Committee. The sports secretaries and representatives are responsible for conducting annual athletic meet and other sports events/games under the guidance of the Sports Committee.
10. The co-curricular activities are organized by student representatives under the aegis of Science Club and Legal Awareness Cell.
11. The extracurricular activities are also organized by the student representatives under the aegis of Drama Club, and Music and Dance Club.
12. Students are part of the editorial board of the annual college magazine 'Ankura'.
13. Students are members in various units like NCC, NSS, Youth Red Cross, Rovers and Rangers and MES Rotaract Club.
14. There is vibrant participation of the students in all the activities organized by the departments and the institution.
15. A different protocol was followed for the formation of the student council from the academic year 2019-2020. Each class elected a class representative and a sports representative. Ninety representatives were elected.
16. All the class representatives and sports representatives elected twenty six student coordinators who represent the student council.

File Description	Document
Upload any additional information	View Document

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution

participated during last five years (organised by the institution/other institutions)**Response:** 20**5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
8	23	31	22	16

File Description	Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

5.4 Alumni Engagement**5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services****Response:**

- 1.The institution has a registered alumni association – “The MES College Alumni Association”.
- 2.Alumni have occupied respectable positions in industries, corporates, entertainment industry, education and social work.
- 3.Contribution of the alumni for the student welfare fund of the institution is commendable. They also sponsor endowment and cash prizes for selected toppers every year.
- 4.Alumni with expertise in performing arts are invited as resource persons to contribute their expertise.
- 5.Alumni also support the institution as judges for the competitions conducted by various departments/clubs.
- 6.Distinguished alumni are invited to share their thoughts about the institution in the orientation programme conducted for the freshers. They also deliver expert talks during seminars, conferences and workshops.
- 7.Meritorious alumni guide the students about higher education and job opportunities.
- 8.A few of our faculty are alumni of our institution, who have been appointed through a regular selection process.
- 9.A recent initiative of the alumni is mentoring. A vibrant group of alumni, spread across India and abroad, have come forward to mentor a few selected students of their alma mater. With their rich experience, they counsel the students in areas of their interest and guide them in making good decisions. This handholding will help students in trying to shape their future.

File Description	Document
Upload any additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: E. <1 Lakhs

File Description	Document
Upload any additional information	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

The Vision, Mission and Objectives of the Institution are:

Vision: Inspire, Invigorate, Illuminate.

Mission: Holistic Development of Human capital with a ceaseless thirst for knowledge and creativity, a sensitivity towards civic responsibilities and a passion for recognizing and practicing the rich traditions and cultural heritage of our country, with a commitment to continuously improve and provide quality education at affordable cost.

Objectives :

- 1.To provide quality education at affordable cost.
- 2.To cater to the academic needs and aspirations of local students.
- 3.To inculcate a scientific bent of mind in students.
- 4.To initiate a research culture among students.
- 5.To develop dynamic and pro-active leadership qualities in students.
- 6.To sensitize the students towards civic responsibilities and environmental consciousness.
- 7.To focus on skill development towards employability.

At MESACS, governance is about working towards the realization of the vision and mission through the set objectives. The management works in harmony with the Head of the Institution to achieve this through a structured mechanism:

1. Director of Academics provides guidance in academic related matters.
2. Chief Executive ensures time bound execution of the administrative procedures.
3. The Management Committee (MC) at the Management level and Governing Body (GB) at the Institutional level review the activities and give valuable suggestions.

4. The GB comprises of a Chairman who is also an MC member, a nominee from affiliating university, HOI, Vice Principal(VP) and selected senior faculty.
5. The management, HOI and the faculty are involved in a synergetic and participative way in framing the policies and implementing the plans.
6. The GB regularly monitors and reviews the performance of the institution during regular meetings. Based on the inputs, the management reviews, plans and makes budget allocations to provide the necessary support to the institution.
7. The HOI seeks clarifications and suggestions from the GB chairman, Director of Academics and Chief Executive as and when required.
8. The HOI is ably supported by :
 - Vice Principal
 - IQAC Coordinator
 - NAAC Coordinator
 - Heads of Departments
 - Office Manager
 - Convenors of various committees & cells

To meet the objectives, relevant academic programs/activities and social awareness programs are planned and stated in the academic calendar. The perspective plan of action for quality enhancement, new initiatives, augmentation of ICT and infrastructure are discussed by IQAC.

To groom leadership qualities and provide operational autonomy for teachers at different levels, following measures are taken:

- Autonomy to the HOI in forming various college committees.
- Appointment of a Vice Principal.
- Induction of senior teachers in the Governing Body.
- Appointment of Head of the Department (HOD)
- Induction of faculty in IQAC.

A hallmark of governance in our institution is decentralization. The functional aspects related to academics, extra-curricular activities, research and extension services, library and the office administration are decentralized.

The HOI and HODs follow a very democratic style of functioning and have an open-door policy where they are approachable to all the stakeholders.

File Description	Document
Upload any additional information	View Document

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

The Institution has a decentralized and transparent mechanism in matters relating to administration, finance and academics. The highest decision-making body at the management level is the MC, while at the institution level, it is the GB. They delegate powers and responsibilities to the HOI, who in turn delegates these to the Vice Principal, HODs, Office Manager and various committees and cells. There are 21 committees and cells which plan and organize all the activities of the college under the guidance of HOI, Vice Principal and IQAC. These committees and cells are headed by convenors and have three to eight faculty members.

The following case studies on purchase of items and recruitment of teaching faculty illustrate decentralization and participative management, respectively.

Decentralization:

Purchase of items at the Institutional Level & Institutional administrative Office:-

1. A formal permission is obtained by the HOI from the management to procure the required items after discussion with the faculty. Requirements under the approvable limits are taken at institutional level and the others are placed in GB for approval.
2. Thereafter, the due diligent process of calling for quotations, identifying the vendor and placing the purchase order is done at the institutional level.
3. The management gives final approval of the order and sanctions the payment, which is paid to the vendor directly.

Purchase of items at the Department & Library Level :-

1. The HOD /Librarian seeks permission from the HOI to call for quotations for the required items/equipment.

2. Once permission is given, the HOD/Librarian follows due diligent process, calls for quotations and finalizes the vendor by making a comparative statement.
3. After the approval from the HOI, the HOD/Librarian places the order for the items/equipment.
4. On delivery, the items are taken into stock and the bill, certified by the HOD/Librarian is handed over to the administrative office through the HOI. The stock register is duly verified by the HOI.
5. After the bill is passed by the management, the payment is made by the administrative office to the vendor directly.

Participative management:

Recruitment of teaching faculty:-

1. **The process is initiated by the HOD, giving the workload statement and requesting for appointment of the required number of faculty in the respective department to the HOI who in turn refers it to the management.**
2. The management consolidates all such requests and advertisements are placed in the leading newspapers. The received applications are handed over to the respective HOD.
3. On the scrutiny of applications by the HOD, the prospective candidates are short-listed.
4. Demonstration classes are conducted for the shortlisted candidates in the presence of HOD, senior faculty of the department and students to take the feedback.
5. The feedback is consolidated by the HOD and candidates are short-listed for personal interview.
6. The interview committee comprises of the HOI, HOD, subject expert and management representatives.
7. The interview committee gives the list of selected candidates in the order of merit.
8. Finally, the selected candidates are issued an appointment letter by the management.

File Description	Document
Upload any additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

Maintaining physical fitness is important for a sports person. One of the long standing needs of the student community has been an access to a good gymnasium where they can be trained for physical fitness. Recognizing this need, the establishment of a gym was a stated strategic plan of the institution under enhancement of facilities for sports and games, drawn up by the IQAC in 2016. The institution worked on this and after exploring several possibilities for funding, identified the Bangalore University Sports Development scheme as the best option. Under the guidance of the HOI and the Director of Physical Education, the sports committee after consulting experts, worked out a plan of action. The plan was placed in the GB for approval. After the approval, a full-fledged gymnasium was established at a cost of INR 7.63 lakhs in a phased manner between 2017-20.

The gymnasium has the following facilities:

S.No.	Equipment
1	4 Station Multigym Equipment which has provision for weight training
2	Treadmill (with speed control and inclination control)
3	Spin bike (with speed control)
4	Dumb bells of 2.5kg, 5kg, 10kg weights
5	Bench Press
6	Trunk twister
7	International Standard Weight Lifting Set

The Gym has an anti-skid customized matting floor and full-length mirrors on two sides. A music system is in place for rhythmic and rigorous workout. The Gym facility is extended to the staff as well. Thus, the establishment of the Gym is an example of successful implementation of the strategic plan of the institution.

File Description	Document
Upload any additional information	View Document
strategic Plan and deployment documents on the website	View Document
Paste link for additional information	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

The Managing Committee (MC) of Mysore Education Society (MES) is the apex body that manages all the institutions run by the Society. The MC comprises of the President, Vice-President, Treasurer and members. The Management has appointed the Director of Academics and the Chief Executive (CE) to manage academics and administrative matters respectively, in order to facilitate smooth functioning of the Institution. The Management has appointed managers for administration, accounts, Information Technology, engineering and maintenance, and clerical and support staff.

At the institutional level, the Governing Body (GB) reviews and monitors the performance of the college and gives valuable advice to the HOI and provides suggestions for improvement.

Some of the key functions of the GB include :

1) Approval of:

- proposals for developmental work and purchase of equipment.
- proposals for starting new combination, new section and increase of intake.
- proposals for the appointment of teaching and non teaching staff.
- submission of AQAR.

2) Review the admissions, fee structure and result analysis.

3) Monitoring:

- The working of Office, IQAC, departments, NSS, NCC .
- The working of Co-curricular and Extra-Curricular activities.
- Utilization of management funds and funds received from funding agencies.
- Academic achievements of students and staff.
- Performance appraisal of teachers by students and HOI.
- Research by faculty and students.

The administration and activities of the college are effectively managed by the HOI with a well laid out hierarchy consisting of Vice-Principal, HODs , faculty, Librarian, Director of physical education, system technician, office manager, non-teaching staff and support staff. The HOI periodically meets HODs to take

stock of departmental activities and reports to the GB. Several committees are constituted for the effective functioning of the Institution. There is a synergetic interaction among the various units in discharging their functions.

The committees, class teachers and mentors give periodic reports to IQAC. In addition, there is a liaison officer who liaisons between the college and the university to resolve issues in matters pertaining to admission, examination and results of students .

Each department is headed by a HOD who manages the department with the support from the faculty.

The periodic departmental meetings ensure democratic functioning with decisions being collectively taken by the HOD and faculty.

The office is managed by the office manager with the help of first and second division clerks and support staff, who have well defined roles and functions such as:

- Responsibilities pertaining to the University and examination.
- Admissions, fee collection and accounts including salary and Income Tax.
- Scholarships.
- Administration related to aided and management staff, liaisoning with Joint Directorate of Collegiate Education and Commissionerate of Collegiate Education.
- Monitoring the maintenance of college campus by house keeping staff and security personnel.

File Description	Document
Upload any additional information	View Document
Link to Organogram of the Institution webpage	View Document
Paste link for additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: E. None of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc	View Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

Welfare Measures for the teaching and non-teaching staff

Teaching

- Group Gratuity Policy
- Provident Fund
- Group Personal Accident Insurance
- Loans from MES Employees Society
- Paid maternity leave
- Admission and fee concession to children of MESACS staff
- Welfarefund
- Ex-gratia amount on superannuation
- Implementation of Formal scales-of-pay
- Adoption of Cadre & Recruitment rules

Non-Teaching

- Group Gratuity Policy.
- Provident Fund.
- Group Personal Accident Insurance.
- ESI (for employees whose gross pay is less

	<p>than INR 21000 per month)</p> <ul style="list-style-type: none"> • Welfarefund • Paid maternity leave. • Admission and fee concession to children of MESACS staff.
Schemes by MES Educational Institution's Co-op Society	<ul style="list-style-type: none"> • Loans in two formats: <ul style="list-style-type: none"> ◦ Short term loan (INR 1 Lakh Repayable in 6 yrs.) ◦ Long term loan (INR 2.5 Lakhs Repayable in 10 yrs.) • Distribution of free books and notebooks to the children of the staff in MESACS

1. Group Gratuity Policy: The Institution has subscribed to a group gratuity policy with LIC., covering all regular employees appointed by the Management. Employees who resign/retire after completion of a minimum service of 5 years receive gratuity settlement.

2. Provident Fund: All the employees appointed by the Management are covered under Provident Fund Scheme. 12% of the basic salary is contributed by the employee and a matching 12% by the employer.

3. Group Personal Accident Insurance: All the employees are covered under a Group Personal Accident Insurance scheme of HDFC ERGO General Insurance Company Limited. The Management bears the entire cost of the scheme. Accidental death, permanent/temporary disability, medical expenses for accidental injuries are covered under the scheme.

4. Loans from MES Educational Institutions Co-operative Society: The employees who are members of this society are eligible for short and long-term loans

Short term loans - INR 1 Lakh Repayable in 6 yrs

Long term loans - INR 2.5 Lakhs Repayable in 10 yrs

5. Free books for wards of the employees: The co-operative society also provides free text-books and notebooks to the wards of the employees.

6. Paid maternity leave: The Management employees are eligible for 90 days paid maternity leave (ML). The employees covered under the ESI are eligible for 180 days of ML as per government rules.

7. Admission and fee concession: The children of MESACS staff are entitled for admission to MESACS and other sister Institutions. Fee concession is granted to any one child of the staff.

8. Ex-gratia: The Management has a best practice of payment of ex-gratia of INR 20,000/- and INR 40,000/- to the employees coming under grant-in-aid and Management, respectively on superannuation.

9. Formal scales-of-pay: The former scales-of-pay were revised in 2010, with introduction of HRA and other special allowances.

10. Adoption of Cadre & Recruitment(C&R) rules: C&R rules were adopted with effect from June 1, 2017 with following highlights:

11. New scales-of-pay.

12. HRA,TA and two interim relief payments @ 20% of basic pay in June 2018 and June 2019 respectively.

13. Career progression after completing

- 10 years of service- promotion to Senior Grade Lecturer (with one increment),
- 20 years of service- promotion to Selection Grade Lecturer (with two increments)
- Ph.D. with 20 years of service- promotion to Professor.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 6.14

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
04	05	05	07	13

File Description	Document
Upload any additional information	View Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 2

6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
05	03	02	0	0

File Description	Document
Upload any additional information	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 16.77

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2	75	8	5	3

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View Document
IQAC report summary	View Document
Details of teachers attending professional development programmes during the last five years	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

The Institution follows an appraisal system for teaching staff. For the Grant-in-Aid staff, the performance appraisal is in accordance with the Government's guidelines. Since 2017-18, the Management has put into practice an Annual Performance Appraisal System (APAS). These structured formats have been designed to reflect performance of the employees as mandated by the regulatory authorities. This is in compliance with the requirements of the accreditation bodies, as well as the requirements of the Management. APAS is being relied upon for declaration of the probationary period of the new employee, considering employees for stagnation increments and promotions as per the C & R rules of MES. It is also used for recognizing employees for their meritorious services. In addition to this, the grant-in-aid employees are also required to submit a "self-appraisal document" in a prescribed format to the Directorate of Collegiate Education for promotion. The Management has also put into practice the MES Code of Conduct and Professional Ethics to be followed by all its employees.

The performance appraisal report consists of:

1. Self-appraisal:

- General information, academic qualifications
- Teaching, Learning and Evaluation related activities- Lectures, seminars, tutorials as per the curriculum; Participatory and innovative teaching/learning process with materials for problem-based learning, case study, group discussions etc.; Use of ICT in addition to chalk and board method; Details of participation in Board of studies, paper setting and examination related work.
- Details of innovations/contribution in teaching during the year: - in teaching methods adopted, in laboratory experiments, in updating subject content and imparting remedial teaching.
- Improvement of professional competence through participation in refresher courses, training methodology workshops, soft skills development, faculty development programme etc.
- Research contributions- publications in journals, books/chapters other than refereed journal

articles, sponsored projects, consultancy projects, details of seminars, conferences and symposia organized and papers presented in conferences/seminars/workshops/symposia.

- Extension work/community service - for humanism, peace, scientific temper, flood or draught relief, for national integration, secularism and democracy, positions held with regard to extension work-NSS, NCC, activities related to Institutional Social Responsibility, conference/training programs, enrichment of campus life-students and staff related socio-cultural and sports programs.
- Participation in Institutional life and Management of the institution- contribution to institution through meetings, lectures, institutional governance responsibilities, organization of conference/training programs, enrichment of campus life-students and staff related socio-cultural and sports programs.
- Achievements, awards and distinctions.

2. After the submission of self-Appraisal by the faculty, the HOD writes a report/recommendation for the staff about his/her teaching ability, knowledge in the subject, attitude towards work, involvement in co-curricular and extra-curricular activities, interpersonal relationships with students, colleagues, parents, integrity, creativity, punctuality at work, zeal and industriousness.

3. The appraisal is then reviewed by the HOI with remarks on acceptability of the self-assessment as reported by HOD. The appraisal is then forwarded to the accepting authority.

4. APAS with minor variations is in place for Librarian and Director of Physical Education.

5. There is APAS in place for the non-teaching staff as well.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Mechanisms for both internal and external audit are in place.

1. Internal Audit:

The Management conducts internal financial audits of the Institution at periodic intervals. They also

suggest effective ways of internal control systems and have introduced Management Information System(MIS) to monitor the day to day financial transactions through Tally.

2. External Audit:

External auditors are appointed by the MC every year. The external auditors conduct the statutory audit as required by law on a half yearly basis and submit the report on yearly basis. The areas in which they audit are:

- Fee collection and payment
- Statutory payments like TDS, PF, ESI, PT and compliance of the same.

S.No.	Period of Audit	Type of Audit	Auditor
1	1-4-2015 to 31-3-2016	Statutory	Badri Madhusudhan and Srinivas Chartered Accountants, Bangalore
2	1-4-2016 to 31-3-2017	Statutory	Badri Madhusudhan and Srinivas Chartered Accountants, Bangalore
3	1-4-2017 to 31-3-2018	Statutory	Badri Madhusudhan and Srinivas Chartered Accountants, Bangalore
4	1-4-2018 to 31-3-2019	Statutory	Badri Madhusudhan and Srinivas Chartered Accountants, Bangalore
5	1-4-2020 to 31-3-2021	Statutory	Badri Madhusudhan and Srinivas Chartered Accountants, Bangalore

3. Joint Director of Collegiate Education (JDCE): The Standard operating Procedures are as follows:

- The college is informed about the date for the audit by the JDCE.
- The books of accounts related to tuition fee and lab fee collected are audited along with purchase and service records.
- The report is submitted to the HOI.
- The HOI informs the Management about the audit report.
- The HOI and the Management address the observations.
- The HOI replies to the JDC.

4. Accountant General Office (AGO) The Standard Operating Procedures are as follows:

- The college is informed about the date for the audit by the AGO.
- The books of accounts related to bills of grant-in-aid staff (Salary), leave details, grants received from government agencies like UGC etc. are audited.
- The report is submitted to the HOI.
- The HOI informs the Management about the audit report.
- The HOI and the Management address the observations.

- The HOI replies to the AGO.

Audit objections if any, are addressed by the HOI in consultation with the office manager.

File Description	Document
Upload any additional information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

Response: 22.75

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0.55	10.00	10.20	0.00	2.00

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

MES College of Arts, Commerce and Science opted for the grant-in-aid model in 1977, and all the courses under the UG programs of (B.A. B.Com. and B.Sc.) offered by the college were under the grant-in-aid category. The salaries of all the faculties recruited under the grant-in-aid scheme is borne by the state government. The Institution was also granted the 2F and 12B status by UGC and is hence, eligible for the development grants from the UGC. Since 1986 new combinations are not being sanctioned under the grant-in-aid scheme by the State Government. To meet the demand for new combinations, the Institution has started self-financed combinations under B.A.,and B.Sc. and post-graduation courses in Mathematics and Kannada. In addition, to meet the growing demand in commerce, the Institution has also added two sections for B.Com which are self-financed/un-aided.

Course	Year of Introduction of Program
B.Sc (Electronics, Mathematics, Physics)	1987
B.Sc (Physics, Mathematics, Computer Science)	1990

B.Sc (Statistics, Mathematics, Computer Science)	2000
B.A (Psychology, Economics, Sociology)	2000
B.A (English, Journalism, Psychology)	2005
B.Sc (Zoology, Chemistry, Biotechnology)	2007
B.Sc (Botany, Zoology, Psychology)	2010
B.com (Unaided)	2013
B.Sc (Electronics, Mathematics, Computer Science)	2018
B.A (History, Economics, Political Science)	2019

The source of mobilization of funds is through

- Fees and the income generated from the self- financed/un-aided programs offered
- Development grants from UGC
- Funding for research from various agencies like UGC, VGST etc.

The optimal utilization of these resources is done through systematic budgeting. Due diligence is followed in the process of purchase of all items through a systematic procedure of calling for quotations, comparison of rates and choosing the best offer. This also results in the optimum utilization of resources.

Any surplus fund available is invested as short-term deposits which earns interest. This interest amount is used for developmental activities and welfare measures for students. The management also gets voluntary contribution from philanthropists, alumni and from industrialists as a part of their Corporate Social Responsibility.

File Description	Document
Upload any additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

1. Student Induction Program (SIP):

Objective:

To welcome the new entrants to the college, remove their apprehensions and assure them of all the support and help for a successful and comfortable college life.

Process:

The IQAC plans, coordinates and executes the Student Induction Program. Prior to 2019, IQAC used to conduct this as a TQM activity like Breaking the ice, playing brain games, PPT about college and its

facilities. From 2019, the Institution practices the SIP as per the new UGC guidelines. Five of our faculty including the IQAC coordinator participated in the Training of Trainers (TOT) program on SIP conducted by UGC at IISc, Bengaluru during May 2019.

As a follow-up, the IQAC of the college with the help of the faculty who attended the TOT held an orientation program on the new SIP methodology suggested by the UGC to all the teaching and non-teaching staff of the college.

The SIP was conducted on 10th, 11th & 12th July 2019. This program in which all the teaching and non-teaching staff participated, has helped them to internalize the commitment and the quality assurance that they have made to the students in terms of offering a good-quality college life.

In the academic year 2020-21, the SIP was conducted on 17th, 18th and 19th December, in online mode due to the pandemic. This live stream program saw the participation of teaching and non-teaching staff and was well received by the students.

Outcome:

Thus, the SIP is a good example of IQAC in institutionalizing quality assurance.

2. Internal Assessment (IA):

Objective:

To assure the students of a fair, unbiased and transparent system of IA as well as grievance redressal mechanism.

Process:

(A) As per the university regulation, IA is 30 Marks -theory paper, 15 Marks -practicals, 50 Marks -Humanities. The IQAC, after interaction with all the departments, evolved a robust procedure which addressed all the issues relating to IA. The salient features of this quality assurance strategy that has been institutionalized are:

1. Framing guidelines to standardize the procedure for assigning IA marks
2. Ensuring transparency in the process by displaying the IA marks and obtaining student's signatures
3. Addressing the grievances of the students by a grievance redressal mechanism
4. A protocol for uploading the marks in the university portal after verification through the Internal Assessment Cell
5. Streamlining the process of conducting Internal tests by the Examination Cell, which organizes it smoothly through:
 - Framing Internal test timetable
 - Assigning invigilation duties
 - Collecting question papers and dispatching answer scripts to the respective departments.

(B) The university has also mandated that students shall take part in Extra Curricular activities (ECA) and

Co-curricular Activities (CCA) in each of the first four semesters and such an activity carries a credit and will be internally assessed for 50 marks. The IQAC has evolved guidelines for awarding ECA and CCA Marks. This has resulted in a very systematic assessment of the same.

Outcome:

The students are given a transparent and satisfactory system of IA marks with a satisfactory grievance redressal mechanism.

File Description	Document
Upload any additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

1. Formation of the Departmental Advisory Committee.

The rapidly changing dimension of the industries and employers have led to immense expectations on producing students with a high level of subject knowledge and employability skills by the institutions. Experts are advocating a continuous academic reform on curriculum, teaching, and learning methods. It is stated that the current pedagogies would be outdated sooner than later and hence institutions should be prepared for bringing changes accordingly. In an affiliating system however, there are limitations and challenges before the higher education institution. We therefore need to find innovative ways of ushering in these reforms. Further, from August 2021, the Govt of Karnataka has implemented the New Education Policy to be followed by the HEIs.

Review: After the third cycle of accreditation in 2016, it was recommended that more number of faculties and students may be involved in research activities. The students also need to know the developments in their chosen subjects beyond what is taught in the classroom. This will go a long way in exciting and motivating them. It was also felt that departments need critical inputs from external experts.

Reform: To fulfil this, the IQAC interacted with the Research Advisory Committee (RAC) of the institution. This interaction resulted in the RAC coming up with the concept of Departmental Advisory Committee (DAC).

The central idea was for each department to constitute a DAC with one/two external experts who will bring their vast experience in teaching and research to the table and guide the department in chalking out an action plan to meet the above-mentioned goals. All the departments were asked to form the DAC.

The RAC and IQAC monitors the whole process. It is very heartening to mention that the idea was very enthusiastically received and we now have a DAC for each department. What is even more satisfying is that as a result of this exercise which started in 2017, there is a very substantial increase in the:

- Number of Faculty registered for Ph.D.-

2016 - 04

2017 - 03

2018 - 04

2019 - 03

2020 - 08

- Number of research papers published by faculty and students-

2016 - 16

2017 - 09

2018 - 14

2019 - 27

2020 - 48

- Number of academic related lectures, workshops, conferences and webinars organized by the departments-

2016 - 20

2017 - 25

2018 - 35

2019 - 40

2020 - 50

2. Increased ICT usage

Review: The Information Communication Technology usage, before 2017, was mostly restricted to PowerPoint presentations (PPT). The IQAC conducted a survey on ICT usage and its findings were discussed in an IQAC meeting. It was concluded that there is an ample scope of improvement in this domain.

Reform: IQAC made consistent efforts to improve the ICT usage and following observations were made before pandemic:

1. Faculty members started using Google Classroom to effectively communicate with the students.
2. Mobile application "MES Pinup", developed by a student as a project, was put into use by Physics and Computer Science departments.
3. The regular usage of PPTs continued. Students have been encouraged to give their class seminars assisted by PPT.
4. Department of Physics started a course web platform to share the department related activities, notes, videos and other useful information.
5. With the availability of computers to all the departments, the faculty started using them to create and circulate more e-study material.
6. With easy access to smart phones, internet and mobile applications, WhatsApp/ Telegram groups were created and used for effective communication.
7. Youtube videos and movies pertaining to the curriculum topics were screened and shared for enhanced understanding by departments, whenever required.
8. The college website of the institution is functional and is being partially maintained by faculty after proper training.
9. The Department of Journalism has a Youtube channel- MES INNOVATIVES and an Instagram page-MESMERIZING, to give the students an experience of practical learning approach.
10. The library has been maintaining the previous year question papers in the digitized form which is shared with interested students via e-mail.

These practices were helpful when the pandemic forced the classes to be conducted online. By this time, the faculty were well groomed to take up the challenge. The following ICT usage during the pandemic were:

1. The faculty has created and uploaded videos on the Jnana Nidhi channel, a YouTube channel initiated by the Department of Collegiate Education, Govt of Karnataka for the benefit of student community so that the learning continues in the time of pandemics.
2. The BCU facilitated uploading of e-notes on the courses offered by the university. The faculty of our college contributed towards this.
3. The Management provided GSuite accounts for the faculty to use as Learning Management System tool and also YouTube channel of the college - MESACS
4. An ERP solution-ePaata, covering aspects like attendance, assignments, examination, announcements was commissioned, developed and implemented in stages by management.
5. The Department of Computer Science organized an FDP to familiarize the faculty about the use of GSuite and the ePaata application as an IQAC initiative. The staff of the Department of Computer science helped the faculty on one-to-one basis to effectively use these provisions.
6. The IQAC organized a 6-day FDP on LMS-Moodle in collaboration with MLACW, Bangalore -03, providing hand on training to the faculty.
7. All the departments organized and attended webinars during pandemic using various online platforms.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)
3. Participation in NIRF
4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Response: B. 3 of the above

File Description	Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

1. Gender equity has been a priority in the institution as it is the key to socio-economic development of the society. The institution maintains the policy of providing equal access to resource and opportunities for growth to all. The institution follows zero-tolerance on any form of sexual harassment. It is mentioned in the prospectus given to every student during admission. During the student induction programme held annually, a special mention is made on gender sensitive issues.
2. The Students Grievance Cell has provided the facility of a grievance box in the college premises to drop their complaints. The institution has a Prevention of Sexual Harassment Cell in place that conducts periodic meetings to address the issues.
3. The Women's Cell of the institution takes up responsibilities towards the welfare of female students in the campus. It creates awareness of equal rights and educates about specific facilities provided to them.
4. The Women's Cell in association with the All India Women's Cultural Organization arranged a seminar on "*Growing Crimes on Women and Children and their Solutions*" in August 2016. Justice Santosh Hegde, former Lokayuktha, Government of Karnataka and Dr. Sudha Kamath, President, All India Women's Cultural Organization were the guest speakers in the programme.
5. Programmes like street play on themes such as, prevention of harassment against women, gender sensitivity, protection of female foetus and transgender issues were organized by the Legal Awareness Cell during 2019-2020.
6. *Naanu Avanalla Avalu*, cinema on transgender issues was screened to bring awareness among the students. *Breaking Stereotypes*, a play was organized by the Department of Kannada UG by inviting Akkai Padmashali, a motivational speaker on transgender issues.
7. CCTVs have been installed on every floor. A lady and two men security personnel are appointed to inspect, oversee the campus and monitor the safety and security of the students and staff. It is ensured that students do not stay back in the campus beyond 6.00pm.
8. Members of the Counselling Cell have always assisted the students in providing guidance who approach them with issues. There are trained counsellors in the departments of Zoology, Psychology and Kannada and have indeed played a major role in reaching out to the students. This has enabled the students to cope up with their issues. An exclusive Covid- 19 counselling facility was set up to help the students to deal with pandemic situation.
9. There is a ladies lounge in the ground floor to cater to the needs of the girl students and female staff. In addition there are two wash rooms for ladies.

10. Facilities like two incinerators for the hygienic disposal of used sanitary napkins and two sanitary nappi-vending machines, are made available to the girl students in the campus. In order to monitor, assist and maintain the wash rooms, designated housekeeping and security personnel are appointed.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: C. 2 of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

The institution has initiated the following management practices for

1. Solid waste management

Dry and wet waste are segregated and disposed accordingly. Bruhat Bengaluru Mahanagara Palike collects

the waste and disposes on a regular basis.

2. Liquid waste management

Sanitation and Drainage water disposal is well channelized through Bengaluru Water and Sewage Supply Board Chambers and Channels.

3. E-Waste management

Over the last two decades, advances in technology and changing lifestyles of people have led to the increasing rate of use of electronic products. The trend today is dependence on Information Technology (IT). The fast rate of technological change has led to the rapid obsolescence rate of IT products which has led to the drastic increase in e-waste.

- To address this, the institution has signed an MOU with M/s. Rashi E-Waste Solutions Pvt. Ltd., Bangalore from 11th September 2019 to collect the electronic waste. This MOU is valid for a period of three years. For this purpose, a bin has been placed in front of the Electronics Department for collecting the e-waste like monitors, keyboards, CPU, speakers, old mobile phones and equipment used in laboratories.
- Since October 2018, the Department of Computer Science and the Department of Electronics have initiated the celebration of “*International E-waste Awareness Day*”. This is to create awareness among the students and faculties about the ill-effects of improper disposal of e-waste. On this day various activities like display of posters, oral presentations, debate competition and exhibition were conducted.

4. Hazardous chemicals

Harmful chemicals may lead to health issues or physical hazards or both, if not handled properly.

The Chemistry Department has a fuming hood to let out the hazardous fumes let out during laboratory sessions. Thereby, students and staff are protected from inhaling the hazardous fumes.

Presence of exhaust fans in all the wash rooms helps to eliminate the harmful effects of disinfectants, phenyl, acids and bleaching powder.

File Description	Document
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	View Document
Link for Geotagged photographs of the facilities	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: C. 2 of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Link for any other relevant information	View Document

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: B. 3 of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions / awards
5. Beyond the campus environmental promotion activities

Response: C. 2 of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

The institution creates an inclusive environment to foster the principles of tolerance, harmony, integrity and coexistence. In this regard, the following activities are organized.

1. **Kavi Dina** is conducted on 31st January by the department of Kannada to commemorate the great works of Da.Ra.Bendre, a renowned Kannada poet and recipient of Jnana Peeta award.
2. The department of History organized **A Heritage Walk-Manthana-Namthana** on 20th February 2020 to a 400 year old Kadu-Malleshwara temple in Bengaluru. A talk was delivered at the premises of the temple to describe the rich cultural heritage.
3. **Matrubhasha Divas** is celebrated on 21st February in which the students participate, and express in their vernacular language.
4. **Kargil Vijay Divas** is celebrated on 26th July, to mark the historic significance of Kargil war and to commemorate the great sacrifices of our jawans. The **Amar JawanJyothi** is brought to our institution where the NCC cadets, staff, students and public from neighbourhood pay respect to the **Kargil torch** and pledge to carry forward the spirit of nationalism.
5. **Hindi Divas** is celebrated on 14th September where “Ekalayva Purashkara” is awarded for the

highest scorer in Hindi language and “Paramapriya Shisya Purashkara” is given to the best outgoing student by the department of Hindi.

6. A national seminar on *Social Reformers* and *Revolutionary Activists* was conducted by the departments of History and Kannada (UG and PG) on 22nd and 23rd September, 2017. It was a platform that paved way to ponder over the life and preachings of great thinkers like Raja Ram Mohan Roy, Mahatma Jyotirao Phule, Savitribai Phule, Dr. B. R. Ambedkar and Jaiprakash Narayan.

7. *Aryotsava* was celebrated on 27th September 2019 by the Legal Awareness Cell to spread a strong message of living in harmony as a way of life. It aimed at inculcating the values of tolerance towards all the religions and faiths.

8. *Gandhi Jayanti* is celebrated on 2nd October to uphold the universal principles of truth, righteous action, peace, non-violence and the spirit of brotherhood.

9. *Sadbhavanadivas* was organized on 22nd October 2018 by Rovers and Rangers, and Legal Awareness Cell, to instil the spirit of cultural and regional diversities of India in the minds of the youngsters.

10. *The Iron Man of India, Sardar Vallabh Bhai Patel's 140th Birth Anniversary* was celebrated on 31st October 2017 by the department of Computer Science, where a power point presentation contest was held on his contribution towards national unity and integrity.

11. *Ethnic Day* is an annual feature where the students showcase the concept of cultural diversity of India by donning the traditional attire of different regions.

12. *Gita Jayanthi* is celebrated by inviting eminent speakers to spread the importance of the *Bhagavad Gita* and to manage life effectively.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document
Link for any other relevant information	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

The cultivation of human values moulds the personality and paves the way towards a better living. The institution endeavours to inculcate values among the students to be responsible citizens and contribute

towards the progress of the nation as reflected in the constitution.

Various activities and programmes are conducted in accordance:

1. As a regular practice we usher in by invoking the blessings of almighty through a Universal Prayer and end the prayer with National Anthem.
2. Service-oriented activities and various camp visits are under taken which includes cleanliness drives under *Swachhta Hi Seva*, tree plantation, world wild life conservation week, discarding plastic and other non-biodegradable waste, women empowerment, sanitization promotion and medical camps.
3. *MES Swachha Samasthe*, the president of MES institutions addressed the students on account of Gandhi Jayanti celebration to focus on 3Rs- Reduce, Reuse and Recycle. Students and employees actively participated and took oath to inculcate these 3Rs in their life.
4. Eco-Ganesha Rally, to create awareness regarding the benefits of using unpainted clay Ganesha idols in preserving the environment. This initiative was started in 2007 by the institution and is celebrated every year.
5. Bharatha Darshana- 03-04-2017, Chakravarthy Sulibele, a noted social worker delivered an inspiring talk highlighting the rich values, culture and heritage of our country.
6. A talk on “My India My Pride” was organized on 13-08-2018, to instil the values of patriotism in the present youth. A pledge was taken under the theme “A new India-Vibrant India” to uphold the ethos in promoting universal values and spread the message of social cohesion by the students.
7. An awareness programme on Motor Vehicles Act and Narcotic Drugs Prevention Act was organized on 17-09- 2018 where Justice P. Krishna Bhat highlighted the significance of being a dutiful, righteous and law abiding citizen.
8. Street plays and rallies between 13-10-2018 and 15-10-2018 were organized to create legal awareness to the general public in the neighbourhood on various themes of socio-economic importance like prevention of drug addiction, harassment against women, protection of female foetus and use of bio-degradable plastics.
9. Voting- a Civil Sacrement on 9-01-2019, a talk was delivered by Ms. Lakshmi Menon, Advocate, Karnataka High Court about the importance of voting.
10. Pariksha Pe Charcha-30-01-2019 an initiative by the Prime minister of India to motivate the students to face their exams with confidence was organized.
11. Department of Kannada conducted a workshop in association with U & I Trust (NGO), Bangalore, provided a wonderful opportunity to our B.Sc students to teach Kannada to the students of marginalized communities at the various learning centers of the trust.
12. Blood donation camps are organized every year with the motto of GIVE BLOOD- GIVE LIFE. The institution has found a prestigious place in the Guinness Book of World Records for being a major partner for a mega blood donation camp held on 04-08-2016 by the Rotary International District-3190.

“The value of life is not based on how long we live, but how much we contribute to the society”.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: C. 2 of the above

File Description	Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

India is a land of rich culture and heritage. The days of national importance have been immensely significant in the chapter of India's history. They play a vital role in planting the seeds of nationalism and patriotism among the youth by introducing the vibrant culture and heritage of our motherland. Accordingly, in compliance with the UGC regulations, the institution celebrates these days to commemorate the sacrifice of the brave hearts who have contributed in nation building.

The NCC organizes the following days of national importance in the institution by hoisting the national flag and inviting a guest speaker -

- Republic Day-when the law of the land was put into force for upholding the vibrant principles and the fabric of democratic polity.
- Independence Day-the beginning of an era of freedom from the clutches of the British colonialism.
- Gandhi Jayanthi- to mark the birthday of the Father of the Nation, an icon of peace and non-violence.

The institution also celebrates:

National:

- National Parakram Day- 23rd January
- National Science Day- 8th February
- National Statistics Day- 29th June
- Teachers' Day- 5th September
- National Mathematics Day- 22nd December

International:

- World Cancer Day- 4th February
- World Encephalitis Day- 22nd February
- International women's Day- 8th March
- World Kidney Day-10th March
- World Theatre Day-27th March
- World No-Smoking Day-31st May
- International Yoga Day- 21st June
- World Organ Donation Day-13th August
- World Photography Day-19th August
- World Suicide Prevention Day-10th September
- World Heart Day-29th September
- World Animal Day- 4th October
- World Mental Health Day-10th October

Indian festivals help in understanding deep-rooted spiritual values and scientific sentiments which in turn, promote culture and traditional values to the students. Hence, the following festivals are celebrated:

- GaneshaChaturthi
- Dussera
- Saraswathi Pooja
- Ayudha Pooja

Special events

Independence Day:

- On the occasion of Independence Day, *Col. Vasanth Foundation* awards the Best outgoing NCC cadet in the name Col. Vasanth Venugopal, an alumnus of MES Institution who was martyred in combat in Jammu and Kashmir on 31st July 2007.
- MES Student Welfare Fund provides financial assistance, free nutritional supplements and note books to the students who belong to marginalized income groups.

Ganesha Chaturthi

- The institution invites artisans and provides a free platform for making unpainted eco-friendly clay idols of Ganesha. The people in the neighborhood community avail the facility to purchase the unpainted idols and this contributes to the sustenance of artisans and environment.

File Description	Document
Link for Geotagged photographs of some of the events	View Document
Link for Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Institutional Best Practice 1:

Title of the Practice:

Pre-admission counseling for students

Objectives of the Practice:

- To counsel students and their parents about the various programmes offered and the respective fee structure.
- Students are informed about the course and programme outcomes.
- The main highlight of this practice is that the students make the right choice among the several programmes based on their interest.
- Students are provided with information regarding placement opportunities.
- An interaction on a one to one basis helps in giving personal attention to the students seeking admission to different streams.
- To appraise the students seeking admission about the various processes, regulations related to admission including clarifications.

The Context

- The need to provide right and suitable information to the students about the programmes offered stimulated this best practice. Earlier, it was observed that students made arbitrary and sometimes impulsive choices of the programmes offered in the institution.
- First generation learners did not have an overall perspective of the various programmes. The arbitrary choices resulted in their inadequate performance in academics. Taking cognisance of this, the institution decided to establish a pre-admission counseling desk to assist and enable the students to make the right choice.
- Pre-admission help desk had to be arranged at vantage points for easy access to the students and parents.
- Dedicated teams comprising of faculty had to be constituted to interact with them all through the admission session.
- Along with the details about the programmes, the help desk also provides information related to add-on courses and placement opportunities in the institution.

The Practice

- The pre- admission counselling cell is constituted as soon as the admission process for the UG and

PG programmes begin. The entire committee is a judicious combination of senior and junior faculty members of all streams. They meet to decide on the plan of action related to the process.

- This cell decides the manner in which the counseling should be done, taking into account the experiences and challenges of the previous years.
- During personal interactions with the students, the members of the help desk find opportunity to explain the details related to latest developments and advancement made in the respective fields which helps in better understanding to make the choices.
- The affordable fee structure of the programmes and the payment details are intimated to the students and parents.
- In case of need, students are also put in touch with senior students or alumni for sharing of experiences of the programme.
- At the end of pre-admission counseling, a feedback is obtained from the parents which helps in identifying the areas to be improved in the process, subsequently implemented for success of the practice.
- The institution also introduced online fee payment facility for easy transaction and save valuable time of parents and students.

Evidence of Success:

- The initiative of pre- admission counselling to the students on the choice of the programmes and the career options available, has become successful till date.
- Students are enabled and empowered with information that ranges from the admission process right up to placements.
- They are also informed about the add-on courses that give more value to their resume.
- The HOI and faculty of the institution have structured the pre-admission counseling process in such a way that the students gain optimum knowledge of the institution and its functioning.
- The pre-admission counseling desk has gained more visibility and credibility among the stake holders and this has ensured its success.
- The analysis of the feedback from the students and parents indicate that the counseling process is well received by them, and is of great help.
- The information given about different extension services and cultural activities enables the holistic development of the students.
- Parents are very appreciative of the facility of online payment of fee through QR codes.
- Students and parents receive immense satisfaction and confidence after their counseling session.

Problems encountered and resources required

In spite of the success in implementing the counseling desk with inputs from the previous years' feedback, there continues to be few challenges

1. The pre-admission counseling desk is set up immediately after the announcement of results of the qualifying exams. As it generally coincides with university exams and evaluation process, only few faculty members are able to attend.
2. Senior students are not able to share their valuable experiences and participate in the counseling process, as they have their exams at the time of the counseling process.

Notes(optional) :-

The best practice of having a pre-admission counseling desk is desirable in all institutions, as it gives a good forum for fruitful interaction between the faculty and those who come seeking admission to the institution. It helps in giving the entire picture of what facilities are made available to the students during their stay as a student in the institution. It gives reassurance to the parents about the choice made by the students after the interaction with the concerned faculty.

Institutional Best Practice 2

Title of the Practice:

Akanksha – The Teachers’ Initiative Towards Financial Assistance.

Objectives of the Practice:

- To help economically weak students with financial assistance at the time of admission to the institution.
- To assist the needy students in fulfilling their dreams of education.
- To enable students to pursue their education in an uninterrupted manner thus, encouraging and empowering them.
- It privileges the teachers with an opportunity to help the needy students through their regular contribution.

The Context

- This practice of creating the fund called Akanksha was initiated during one of the staff association meeting in the year 2009.
- As a result of this concurrence, likeminded faculty members agreed to voluntarily contribute towards this fund. Over the years, the fund has grown with greater number of teachers contributing towards it.
- Further, a few retired faculty members are still extending their support to this initiative.
- The staff association had to draw a plan of action in creating, maintaining and disbursing of the funds.

The Practice

- The teachers who wish to contribute to the fund give a Standing instruction to the State Bank of India, MES college branch to deduct a said amount on remittance of their monthly salary.
- The corpus fund and the interest accrued there off are kept in a separate account operated by the designated members of the staff association.
- The staff association provides information about the facility under Akanksha at the time of admission of students, so that economically poor students can avail this facility at the time of payment of fee.
- The HOI and selected committee members comprising of office bearers of the staff association, meet at the beginning of the academic year to assess the total funds that are available to be distributed.

- Request from the needy students are received in the form of applications.
- These applications are placed before the Committee for consideration and action. The merit of each application is looked into in order to decide the disbursement of financial assistance to the eligible applicants.
- To avoid the students dropout rate due to lack of adequate financial support, the funds are helping the needy students to pursue their higher education.
- During the COVID-19 pandemic situation many parents were affected with unemployment and financial liabilities, so Akanksha came as a solace to them to pay the fees of their children.

Evidence of Success

- *By strengthening the funds year after year, Akanksha* has reached a lot of needy students.
- The generous and timely assistance have strengthened the relationship between the students and teacher.
- Benevolent teachers have extended their service towards *Akanksha* through their regular contribution.
- This is a great service towards the student community.
- The student beneficiaries under *Akanksha* are increasing year by year and this itself has become an evidence of the success of this flagship act.

Year	Number of students	Amount in INR(in lakhs)
2016-2017	11	0.61
2017-2018	12	0.42
2018-2019	12	0.23
2019-2020	08	0.64
2020-2021	20	1.03

Problems Encountered and Resources required

1. The number of students seeking financial assistance under this facility are increasing every year. Therefore, the assistance could not be extended to a larger number.

2. The task of assessing the authenticity of the applications needs thorough scrutiny and it is time consuming.

3. It has also come to the notice that there are some deserving students who do not come forward to avail the facility.

4. In spite, of increase in the contribution by the faculty, there is a need of more funds to reach out to larger number.

Notes

This benevolent gesture by the faculty members to constitute a fund exclusively to support the needy students is a practice worthy of emulating the human values of generosity, compassion and care. Therefore,

this practice deserves admiration and could be followed for the same cause.

File Description	Document
Link for Best practices in the Institutional web site	View Document
Link for any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Research Culture in College

The institution has nurtured a rich research culture from the beginning. It has produced many researchers and received funding from many agencies like UGC, DST, VGST, NBHM, etc. The research output is continuously increasing and is the distinctiveness of the institution. A comparatively small degree college with limited basic facilities and space has very good number of research projects funded by many funding agencies. The Institution has research guides in many disciplines. The Institution

- has encouraged faculty for continuing higher education and avail FIP for Ph. D programme.
- encourages faculty to apply for projects to various funding agencies. During last NAAC accreditation period 2009-2014, the institution had 2 major, 13 minor and 5 students projects funded by UGC, VGST amounting to INR 109.66 lakhs and in the current assessment period, the institution has 4 major, 37 minor projects and 70 student projects including self-financed projects amounting to INR 167.15lakhs-**an increase of 52.5%**.
- provides complete autonomy to pursue research work under funded projects.
- releases funds in time to facilitate effective research.
- facilitates timely auditing and regular submission of utilization certificates to funding authorities and never had any audit objection.
- provides adequate infrastructure and human resource for smooth conduct of research.
- permits the faculty to visit various research centers and libraries like **IISc, TIFR, NAL**, etc.
- supports faculty financially for attending/conducting seminars, symposium, workshops, conferences.
- sanctions workload relaxation for dedicated researchers.
- provides advanced licensed software like **MATLAB** and **MATHEMATICA**.
- encourages research projects in collaboration with other institutes of higher learning.
- encourages projects of social relevance.
- Has subscribed to **INFLIBNET** membership through **N-LIST** programme which gives access to 2100 e-Journals and 51,000 e-Books.

- provided many advanced level books and journals.

Inter-Departmental Research

Several seminars and workshops on “Latex”, “Python”, “Mathematica Software”, “Mathlab” for encouraging inter disciplinary research have been organised for all the faculty. The Institution has launched an inter-disciplinary journal titled “Bulletin of Applied Sciences” for all students and faculty to publish their research work and articles.

Students Participation in Research

Several departments encourage students to take up small research projects, write research papers, publish and present them in conferences. Our students have received best presentation award in conferences. Institution has sanctioned seed money for students to carry out research. It has created an ecosystem for innovations by constituting a policy for innovations under Intellectual Property Rights and Research Cell for creation and transfer of knowledge.

Research Cell

The college has constituted a research cell for the advancement of research activities of faculty and students and also to interact with the learned community for innovations. It has started an unique initiative called Departmental Advisory Committee (DAC) as part of college Research Cell (RC). DAC will have all the faculty of that department as members with an external advisor who will guide in research and academic activities.

The college has two research centres one in Mathematics and the other in Kannada recognized by the affiliating university. Research Centre in Applied Mathematics has got funding continuously from DST, UGC, VGST, KSTA and Science Academies for major, minor research projects and lecture series. This centre has been recognised as Centre for Innovative Science Education by Government of Karnataka, Bengaluru since 2011.

The institution in collaboration with the MES management has taken an initiative to create awareness among the students, faculty and the general public about the winners of Nobel Prize and the nature and significance of their work. The PG department of mathematics arranges talks on the topics of Field Medal conferred to mathematicians.

A few significant details pertaining to research during the period 2016-2021

Sl.No.	Details	Number
1	Faculty with Ph. D	26
2	Ph. D Guides	7
3	Ph. D Students	18
4	Research projects ongoing	52
5	Departments with Advisors	15

6	MOUs	20
7	Collaborations	28
8	Research Papers published by faculty	113
9	Workshops/Seminars conducted towards research	116
10	Student Projects	120
11	Journals Subscribed	28
12	Magazines/Journals published	4
13	Software	2
14	FIP availed for Ph. D and M. Phil	14
15	Faculty registered for Ph. D	28
16	Number of projects applied by faculty	11

Research Expertise in the College

I. No	Faculty Name	Research Area
1	Prof. Achala. L. Nargund	Fluid dynamics, Magneto-hydrodynamics
2	Dr. Gangamani H.V	Fluid dynamics
3	Dr. Asha C. S	Ferrofluid Dynamics, Homotopy Analysis Method
4	Dr. Sumana Krishna Prasad	Wavelet analysis, Fluid Dynamics
5	Dr. Ramakrishnaiah	Kannada Sahitya
6	Dr Ramanjaneya .P	History
7	Mrs. Vyshnavi V Rao	Biochemistry
8	Dr. Boddula Praveena	Biochemistry
9	Mrs. Khushboo Tripathi	Biochemistry, Immunology
10	Mr. Anil G. B	Zoology
11	Dr. Sushma V Jakati	Homotopy Analysis Method in fluid dynamics
12	Dr. Ravikiran A Mundejadi	Wavelet Theory
13	Dr. R.V. Sheela	English
14	Dr. Manjushree Menon	Hindi, Bhasha Sahani studies
15	Mr. K. M. Raghvendra	Thermoluminescence studies
16	Mrs. D. Usharani	Physics Education Research
17	Dr. Manu.S	Space Physics
18	Dr. J. Vishwanath	Nuclear Magnetic Resonance
19	Dr. Puttaswamy	Adhunik Kannada Sahitya
20	Dr. Lokeshwarappa	Kannada Sahithya.
21	Mrs. SaiSudha	Web Designing and ASP.NET
22	Mrs. Durgakala	Data Mining
23	Dr. Devi Thangam	Zoology
24	Dr. Asheera Banu Sangli	Zoology

25	Dr. T. G. Janardhan	Commerce
26	Dr. Veena Nagaraj	Economics
27	Dr. Ganesh U.	Diversity of Phytoplankton
28	Dr. Asmitha Behra	Plant Biotechnology
29	Dr Vanishree B.M	Kannada
30	Dr. Matheshwari.R	Computer Science
31	Dr. Mohammed Ashfaq Ahmed	Economics
32	Dr Kavitha E	Physics

It is very evident that the institution has a vibrant research environment and strives to encourage research culture among the faculty and the students which has now become distinctive feature.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

5. CONCLUSION

Additional Information :

The world is in the midst of a technological revolution and is witnessing an explosion of new technologies which are impacting every facet of our lives, education included. The role of Higher Education Institution (HEI) has undergone a paradigm shift with the focus on shifting from mere delivery of curriculum to the students, to empowering them to be innovators and agents of change to contribute significantly to nation-building in the 21st century. This will be possible if HEI adapts to the rapidly changing needs of the younger generation and cater to the aspirations of the students who come to their portals. For this, the HEI should have the required physical and digital infrastructure and trained manpower to provide a conducive teaching-learning environment to students.

With the NEP 2020 being rolled out in Karnataka, the institution has an opportunity to offer honours degree to the students and is therefore focussed to implement the program.

The institution aims at augmenting the existing physical and digital infrastructure, conduct more number of capacity building/skill development, pre-placement training programs to increase employability for students. Counselling students to face the challenges at vulnerable times and to extend emotional support is a practice of the institution. The college intends to have a full-fledged counselling centre.

The fulcrum of an institution is the faculty. They must be up to date in their knowledge and have the necessary skill set to deliver the curriculum and train the students to face the challenges of the society. In the light of this, the institution has plans to conduct more Faculty Development Programs and encourage participation in Orientation and Refresher courses.

To strengthen the research activities, the institution proposes to procure required equipment that help both teachers and students in their research projects, conduct courses on research methodology, software training programs and augment library resources.

It is envisaged that the college has to be a Centre of Excellence and further move towards becoming an Autonomous Institution.

Concluding Remarks :

The institution has a legacy of imparting quality education for over six decades to enable students realise their aspirations and in addition contribute to the society as responsible citizens. This is in line with the stated vision and mission of the college. Our prime objective is to relentlessly endeavour to deliver a total stakeholder satisfaction by assuring, sustaining, and enhancing the quality of our educational services, so that the best Quality of College Life (QCL) is experienced by every student who enters our portal. As is evident from the summaries of the various criteria, the college strives to offer high-quality academic programs , provides adequate student support facilities and has the necessary infrastructure. A multi-modal teaching and learning approach empowers the students to achieve success in today's highly competitive environment. The institution fosters a culture of holistic development, academic integrity, accountability, and lifelong learning. All the activities of the college are in line with the stated vision and mission of the college. The institution likes to be recognized as an institution of excellence that offers integrated modern education, grounded in traditional

Indian values.

NAAC

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
2.1.1	<p>Average Enrolment percentage (Average of last five years)</p> <p>2.1.1.1. Number of students admitted year-wise during last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>750</td> <td>885</td> <td>925</td> <td>918</td> <td>815</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>749</td> <td>885</td> <td>925</td> <td>918</td> <td>815</td> </tr> </tbody> </table> <p>2.1.1.2. Number of sanctioned seats year wise during last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>1471</td> <td>1471</td> <td>1463</td> <td>1403</td> <td>1403</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>1474</td> <td>1506</td> <td>1466</td> <td>1406</td> <td>1406</td> </tr> </tbody> </table> <p>Remark : DVV has updated the data as per the document provided for sanctioned intake in HEI clarification response</p>	2020-21	2019-20	2018-19	2017-18	2016-17	750	885	925	918	815	2020-21	2019-20	2018-19	2017-18	2016-17	749	885	925	918	815	2020-21	2019-20	2018-19	2017-18	2016-17	1471	1471	1463	1403	1403	2020-21	2019-20	2018-19	2017-18	2016-17	1474	1506	1466	1406	1406
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2.1.2	<p>Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)</p> <p>2.1.2.1. Number of actual students admitted from the reserved categories year-wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>547</td> <td>622</td> <td>650</td> <td>540</td> <td>448</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>545</td> <td>622</td> <td>650</td> <td>540</td> <td>448</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	547	622	650	540	448	2020-21	2019-20	2018-19	2017-18	2016-17	545	622	650	540	448																				
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2.3.3	<p>Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)</p> <p>2.3.3.1. Number of mentors Answer before DVV Verification : 78 Answer after DVV Verification: 76</p>																																								
2.4.3	<p>Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)</p> <p>2.4.3.1. Total experience of full-time teachers Answer before DVV Verification : 1173 Answer after DVV Verification: 1048</p>																																								
2.6.3	<p>Average pass percentage of Students during last five years</p> <p>2.6.3.1. Number of final year students who passed the university examination year-wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="304 909 1046 1043"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>742</td> <td>640</td> <td>636</td> <td>560</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1122 1046 1256"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>734</td> <td>753</td> <td>625</td> <td>639</td> <td>563</td> </tr> </tbody> </table> <p>2.6.3.2. Number of final year students who appeared for the university examination year-wise during the last five years Answer before DVV Verification:</p> <table border="1" data-bbox="304 1375 1046 1509"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>840</td> <td>843</td> <td>758</td> <td>760</td> <td>702</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1588 1046 1722"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>841</td> <td>836</td> <td>713</td> <td>752</td> <td>718</td> </tr> </tbody> </table> <p>Remark : DVV has updated the data as per documents provided under HEI clarification response</p>	2020-21	2019-20	2018-19	2017-18	2016-17	0	742	640	636	560	2020-21	2019-20	2018-19	2017-18	2016-17	734	753	625	639	563	2020-21	2019-20	2018-19	2017-18	2016-17	840	843	758	760	702	2020-21	2019-20	2018-19	2017-18	2016-17	841	836	713	752	718
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3.1.1	<p>Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)</p> <p>3.1.1.1. Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs) Answer before DVV Verification:</p>																																								

2020-21	2019-20	2018-19	2017-18	2016-17
100.10	0.0	0.15	0.15	5.2

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0.0	0.0	0.15	0.15	5.2

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

3.1.2.1. Number of teachers recognized as research guides

Answer before DVV Verification : 7

Answer after DVV Verification: 6

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

3.1.3.1. Number of departments having Research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2	1	1	1	2

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1	0	0	0	1

3.1.3.2. Number of departments offering academic programmes

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

3.3.2.1. Number of research papers in the Journals notified on UGC website during the last five years.

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
20	37	13	19	25

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
19	37	13	19	25

3.4.3 **Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

3.4.3.1. **Number of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
27	51	43	27	23

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
24	42	26	18	09

3.4.4 **Average percentage of students participating in extension activities at 3.4.3. above during last five years**

3.4.4.1. **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1038	2453	2532	1934	2120

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
500	1000	1000	1000	1000

Remark : HEI has not provided the required documents

4.1.3 **Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)**

4.1.3.1. Number of classrooms and seminar halls with ICT facilities

Answer before DVV Verification : 29

Answer after DVV Verification: 17

4.2.2 **The institution has subscription for the following e-resources**

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases
6. Remote access to e-resources

Answer before DVV Verification : A. Any 4 or more of the above

Answer After DVV Verification: B. Any 3 of the above

Remark : As per the documents provided by the HEI

4.4.1 **Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)**

4.4.1.1. **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
89.23	139.10	61.04	41.78	42.00

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
90.68	139.10	61.04	41.78	42.00

5.1.1 **Average percentage of students benefited by scholarships and freships provided by the Government during last five years**

5.1.1.1. **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
162	1695	1070	1020	328

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
162	0	0	0	0

Remark : DVV is not able to verify the data, HEI has not provided sufficient documents. HEI has provided the data only for the session 2020-21

5.1.2	<p>Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years</p> <p>5.1.2.1. Number of students benefitted by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 472 1046 604"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>29</td> <td>226</td> <td>222</td> <td>199</td> <td>262</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 683 1046 815"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>28</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Remark : DVV is not able to verify the data, HEI has not provided the required documents. HEI has provided the data only for the session 2020-21</p>	2020-21	2019-20	2018-19	2017-18	2016-17	29	226	222	199	262	2020-21	2019-20	2018-19	2017-18	2016-17	28	0	0	0	0
2020-21	2019-20	2018-19	2017-18	2016-17																	
29	226	222	199	262																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
28	0	0	0	0																	
5.1.5	<p>The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases</p> <ol style="list-style-type: none"> 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees <p>Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above</p>																				
5.2.2	<p>Average percentage of students progressing to higher education during the last five years</p> <p>5.2.2.1. Number of outgoing student progression to higher education during last five years</p> <p>Answer before DVV Verification : 1058 Answer after DVV Verification: 116</p> <p>Remark : DVV has updated the data as per documents provided by the HEI under HEI clarification response</p>																				
5.3.3	<p>Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)</p> <p>5.3.3.1. Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years</p> <p>Answer before DVV Verification:</p>																				

2020-21	2019-20	2018-19	2017-18	2016-17
8	25	36	25	19

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
8	23	31	22	16

5.4.2 **Alumni contribution during the last five years (INR in lakhs)**

Answer before DVV Verification : A. ? 5 Lakhs

Answer After DVV Verification: E. <1 Lakhs

6.2.3 **Implementation of e-governance in areas of operation**

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: E. None of the above

Remark : DVV has updated this input because HEI has not provided any supporting documents. HEI has provided the account statement printed in annual reports. This is not acceptable

6.3.2 **Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

6.3.2.1. **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
04	32	26	06	06

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
04	05	05	07	13

6.3.3 **Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years**

6.3.3.1. **Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five**

years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
05	04	03	03	01

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
05	03	02	0	0

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

6.4.2.1. Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
0.55	10.00	10.20	0.00	2.00

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0.55	10.00	10.20	0.00	2.00

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

Answer before DVV Verification : A. Any 4 or All of the above

Answer After DVV Verification: B. 3 of the above

2.Extended Profile Deviations

ID	Extended Questions										
1.1	<p>Number of courses offered by the Institution across all programs during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>1166</td> <td>1166</td> <td>1158</td> <td>1158</td> <td>1158</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p>	2020-21	2019-20	2018-19	2017-18	2016-17	1166	1166	1158	1158	1158
2020-21	2019-20	2018-19	2017-18	2016-17							
1166	1166	1158	1158	1158							

2020-21	2019-20	2018-19	2017-18	2016-17
430	426	422	422	422

1.2 **Number of programs offered year-wise for last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
21	21	20	19	19

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
19	19	18	17	17

2.1 **Number of students year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2421	2589	2537	2471	2318

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2501	2681	2624	2351	1990

2.2 **Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
732	732	732	702	702

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
737	753	733	703	703

2.3 **Number of outgoing / final year students year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
840	843	758	760	702

Answer After DVV Verification:

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2020-21	2019-20	2018-19	2017-18	2016-17
841	836	713	752	718

3.1 **Number of full time teachers year-wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
98	108	119	115	107

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
96	110	121	118	109

3.2 **Number of sanctioned posts year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
98	108	119	115	107

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
96	110	121	118	109

4.1 **Total number of classrooms and seminar halls**

Answer before DVV Verification : 29

Answer after DVV Verification : 30

4.2 **Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
86.26	114.56	110.73	42.74	37.29

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
313.30	145.26	110.73	173.75	37.29

4.3 **Number of Computers**

Answer before DVV Verification : 237

Answer after DVV Verification : 237