



# YEARLY STATUS REPORT - 2020-2021

## Part A

### Data of the Institution

#### 1. Name of the Institution

MANGALORE UNIVERSITY

- Name of the Head of the institution Prof. P. Subrahmanya Yadapadithaya
- Designation Vice Chancellor
- Does the institution function from its own campus? Yes
- Phone no./Alternate phone no. 08242287347
- Mobile no 9663930777
- Registered e-mail vc@mangaloreuniversity.ac.in
- Alternate e-mail address registrar@mangaloreuniversity.ac.in
- City/Town Mangalore
- State/UT Karnataka
- Pin Code 574199

#### 2. Institutional status

- University State
- Type of Institution Co-education
- Location Rural

- Name of the IQAC Co-ordinator/Director **Prof. Manjunatha Pattabi**
- Phone no./Alternate phone no **08242284648**
- Mobile **9448260563**
- IQAC e-mail address **iqacmangaloreuniversity61@gmail.com**
- Alternate Email address **iqac@mangaloreuniversity.ac.in**

**3.Website address (Web link of the AQAR (Previous Academic Year)**

<https://www.mangaloreuniversity.ac.in/sites/default/files/2022/AQAR-2019-20-Report.pdf>

**4.Whether Academic Calendar prepared during the year?**

**Yes**

- if yes, whether it is uploaded in the Institutional website Web link:

<https://mangaloreuniversity.ac.in/academic-calender-year-0>

**5.Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>Four Star</b>	<b>70.3</b>	<b>2000</b>	<b>17/04/2000</b>	<b>16/04/2005</b>
<b>Cycle 2</b>	<b>A</b>	<b>3.09</b>	<b>2014</b>	<b>05/05/2014</b>	<b>04/05/2019</b>
<b>Cycle 3</b>	<b>B</b>	<b>2.49</b>	<b>2021</b>	<b>15/02/2021</b>	<b>14/02/2026</b>

**6.Date of Establishment of IQAC**

**23/12/2010**

**7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Biosciences	DST-FIST	DST	2015, 5 years	95,00,000
Biosciences	UGC-SAP	UGC	2015, 5 years	60,00,000
Kannada	UGC-SAP	UGC	2016, 5 Years	29,00,000
Marine Geology	DST - FIST	DST	2015, 5 Years	104,00,000
Microbiology	VGST Scheme of CISEE	Karnataka Science and Technology Promotion Society, Bangalore	2019, 3 Years	30,00,000
Physics	DST-FIST	DST	2018, 5 years	264,00,000
Physics	VGST Scheme of CISEE	Karnataka Science and Technology Promotion Society, Bangalore	2021, 2 years	30,00,000
Microtron Centre	UGC-CPEPA	UGC	2017, 5 years	505,80,000
Promotion of University Research Science Excellence (PURSE) programme	DST - PURSE	DST	2017, 4 years	7,60,00,000

**8. Whether composition of IQAC as per latest NAAC guidelines** Yes

- Upload latest notification of formation of IQAC [View File](#)

**9.No. of IQAC meetings held during the year** 19

- The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report) **Yes**
- (Please upload, minutes of meetings and action taken report) [View File](#)

**10.Whether IQAC received funding from any of the funding agency to support its activities during the year?** No

- If yes, mention the amount

**11.Significant contributions made by IQAC during the current year (maximum five bullets)**

Participation in NAAC Accreditation process - Preparation of AQAR, tabling of AQAR in Syndicate and submission to NAAC

Participation in Rankings - NIRF, QS World/Asia University Rankings, India Today MDRA Best Universities Ranking, UI GreenMetric World University Ranking

Online collection, Analysis reports, Department-wise Action Taken Reports, tabling in Syndicate of Stakeholders Feedback

Internal quality promotion - NEP-2020, CAS, DST Gender Advancement for Transforming Institutions (GATI) participation, Course in UNESCO-Aalborg University Problem Based Learning (PBL), UGC Skill Based programmes, AIU Updation

NAAC Accreditation processes such as DVV Clarifications, Peer Team Visit, Appeal

**12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year**

Plan of Action	Achievements/Outcomes
Facilitating CAS promotions of teaching faculty.	Scrutiny of 39 number of CAS applications for the positions of Assistant Professor (Higher Grade), Associate Professor and Professor has been carried out and eligibility of candidates determined
Preparation and online Submission of AQAR report 2018-19	AQAR prepared and submitted to NAAC on 29-10-2020
Core Committee/Sub-Committee formation for preparation of AQAR 2019-20	AQAR 2019-20 finalized and submitted to NAAC on 30-08-2021
Online feedback from students (2019-20; 2020-21)	Collected, analysed, Department-wise ATRs obtained and reports available on website
Interdisciplinary Journals Review Committee	Committee met and scrutinised journals for forwardal to UGC CARE
Preparation for Peer Team Visit	Scheduled Mock Peer Team committee visit to different departments/sections/Chairs/Centres /Administrative Units for assessment of preparedness of NAAC Peer Team Visit
NAAC Peer Team Visit	Peer Team committee visited all the departments/sections/Chairs/Centres/Administrative Units
Application for DST Gender Advancement for Transforming Institutions (GATI) Pilot Project- Expression of Interest for Joining the Gender Advancement for Transforming Institutions (GATI) Pilot	Partner Institute with the Monitoring and Evaluation partner
Submission of data to NIRF, India Today, UI Green Metric World University Ranking, QS World University Rankings	Submitted with outcomes at different positions in various rankings

Appeal by the HEI regarding NAAC Accreditation	Criteria-wise appeal data was prepared and submitted to NAAC on 30-03-2021
Feedback from parents (2019-20)	Collected, analysed, and reports available on website
Feedback from employers (2019-20; 2020-21)	Collected, analysed, and report available on website
Feedback from alumni (2019-20; 2020-21)	Collected, analysed, Department-wise ATR obtained and report available on website
Online Faculty feedback (2019; 2021)	Collected, analysed and report available on website

**13. Whether the AQAR was placed before statutory body?** **Yes**

- Name of the statutory body

Name	Date of meeting(s)
Syndicate	29/03/2022

**14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?** **Yes**

**15. Whether institutional data submitted to AISHE**

**Part A****Data of the Institution**

<b>1.Name of the Institution</b>	<b>MANGALORE UNIVERSITY</b>
• Name of the Head of the institution	<b>Prof. P. Subrahmanya Yadapadithaya</b>
• Designation	<b>Vice Chancellor</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone no./Alternate phone no.	<b>08242287347</b>
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• Registered e-mail	<b>vc@mangaloreuniversity.ac.in</b>
• Alternate e-mail address	<b>registrar@mangaloreuniversity.ac.in</b>
• City/Town	<b>Mangalore</b>
• State/UT	<b>Karnataka</b>
• Pin Code	<b>574199</b>
<b>2.Institutional status</b>	
• University	<b>State</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Rural</b>
• Name of the IQAC Co-ordinator/Director	<b>Prof. Manjunatha Pattabi</b>
• Phone no./Alternate phone no	<b>08242284648</b>
• Mobile	<b>9448260563</b>

• IQAC e-mail address	<a href="mailto:iqacmangaloreuniversity61@gmail.com">iqacmangaloreuniversity61@gmail.com</a>				
• Alternate Email address	<a href="mailto:iqac@mangaloreuniversity.ac.in">iqac@mangaloreuniversity.ac.in</a>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://www.mangaloreuniversity.ac.in/sites/default/files/2022/AQAR-2019-20-Report.pdf">https://www.mangaloreuniversity.ac.in/sites/default/files/2022/AQAR-2019-20-Report.pdf</a>				
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<b>6.Date of Establishment of IQAC</b>	23/12/2010				
<b>7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.</b>					



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Syndicate	29/03/2022
<b>14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?</b>	<b>Yes</b>
<b>15. Whether institutional data submitted to AISHE</b>	
Year	Date of Submission
2020-2021	28/02/2022
<b>16. Multidisciplinary / interdisciplinary</b>	
<p>Bi-disciplinary programmes with two majors or one major and one minor interdisciplinary/multidisciplinary programmes have been introduced by the University under NEP-2020. In addition, languages, ability enhancement courses, skill enhancement/development courses/vocational courses, foundation/discipline-based courses, discipline core and elective courses, open electives, project work/dissertation/internship/entrepreneurship, sports/cultural and extension activities all are aimed at</p>	

multidisciplinary/interdisciplinary education. Programmes such as Medical Physics, Geoinformatics, Yogic Science, Biosciences, Biotechnology, Environmental Science, Material Science are multidisciplinary/interdisciplinary. Choice-based-credit-system (CBCS), followed in all programmes has been expanded in scope with mandatory or hard-core courses; optionals or soft-core courses with choice; open electives facilitating horizontal mobility across disciplines and institutions; and project work (whole semester or in lieu of 1-2 theory/practical courses) carried out intramurally or extramurally in industries and reputed national academic and research institutes. An eclectic array of choices is offered for open electives enabling student mobility across faculties and streams to engage with rich and diverse academic content. To encourage interdisciplinary research, faculty were given guideship in Interdisciplinary areas of research with intake of 2 students each in the Interdisciplinary field. Advanced Research Centres such as CARRT, CARER, Microtron, PURSE Lab facilitate interdisciplinary research by conducting collaborative research with various Departments of the University.

#### **17.Academic bank of credits (ABC):**

Academic bank of credits to promote a bank of credits has been adopted as per Regulations Governing the Choice Based Credit System Semester Scheme with Multiple Entry and Exit Options in all Degree Programmes across Faculties. This mechanism facilitates students to choose their own learning path to attain a Degree/Diploma/Certificate and works on the principle of multiple entry and exit anytime, anywhere, and at any level of learning. ABC will enable the integration of multiple disciplines of higher learning leading to the desired learning outcomes including increased creativity, innovation, higher order thinking skills and critical analysis. ABC will provide significant autonomy to the students by providing an extensive choice of courses for a programme of study, flexibility in curriculum, novel and engaging course options across a number of higher education disciplines/ institutions. The multiple entry and exit options for students is facilitated at all levels. Credit accumulation through the ABC scheme is possible for students across the country to transfer and consolidate their credits in any HEI. The validity of credits earned will be for a maximum period of seven years. The procedure for depositing credits earned, its shelf life, redemption of credits, are as per UGC Regulations, 2021.

#### **18.Skill development:**

In addition to curriculum-oriented skill development and enhancement through laboratory practicals and experiential training, specific skill-based courses including Ability Enhancement Courses, Skill Enhancement/Development Courses/Vocational courses are focussed on skill development. Furthermore, field work, research project work/ Dissertation/ Internship are also geared towards skill enhancement. The University also conducts regular ICT-enabling technology training for teaching and non-teaching staff, skill development training programmes for students and Lab technicians etc. through the Departments, Computer Centre or IQAC. The University has also appointed a Director for the Skill Development Centre. The University has also set up an Incubation Centre (MUIC), in partnership with IBM India Pvt. Ltd and their subsidiary NCS India, with the aim to serve the students' needs in the job market. It offers certificates, diplomas, advanced diplomas, internships and project programs in latest technology trends. The centre has conducted workshops on data analytics, internet of things (IoT), cyber security, blue mix, SPSS, artificial intelligence and machine learning using python etc. Courses are planned on (i) open stack platform for open-source cloud computing, (ii) use of Qualnet for research on protocol and waveform technology, network design and architecture optimization, capacity prediction, modelling, mission planning, early-stage device design comparisons, and (iii) mobile forensics and cybercrime.

**19.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

The Dharmanidhi Yoga Peetha was established to foster yogic science in education and research with three-fold activities of teaching, therapy and research in Yoga. M.Sc. in Yogic Science was started in 1998 for the first time in the country, thus integrating ancient Indian knowledge and wellbeing system into education. Yoga Therapy and Yoga Spirituality are specializations offered. Indian Language studies that integrate Indian systems of knowledge, origins of language, literature including prose, poetry and grammar and local culture are conducted in the state language of Kannada, local languages Tulu, Konkani, Kodava and Beary, and national languages Sanskrit and Hindi leading to various academic programs. Value-added programs are offered in local cultural art forms such as Yakshagana by a dedicated study centre. Other Indian culturally- and historically-based centres of study on Tulu, Kodava and Beary cultures also exist that engage in interdisciplinary research on Indian knowledge systems.

Research on Boota Kola, cultural deities and practices is conducted by the SVP Institute of Kannada studies. The departments of Life Sciences, particularly Botany and Biosciences have courses on Medicinal plants, Ethnobotany of India. Study centres dedicated to reformist Indian philosophies such as Kanaka and Brahmashree Narayana Guru have also been established.

## **20.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

Each department ensures that Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of Curricula offered are displayed on the University website, stated and communicated to teachers and students through meetings of the departmental council, Board of Studies, and orientation programmes. The faculty of each department discuss the requirements of the syllabus and take a collective decision regarding the contents of the syllabus keeping in view POs, PSOs and COs through discussion with the experts on the BoS. COs are highlighted in the classes by the teachers handling the respective courses. The updates in the syllabus are made available to the students through hand outs and also through the university website. The students' opinion regarding effective delivery of course contents and meeting the course outcomes is collected through online questionnaire at regular intervals and reviewed by the BoS with ATRs being taken and placed in the Syndicate. The academic performance of the students is also reviewed in the BoS and problems, if any, are discussed and remedial measures taken. If the course outcomes are not realized, steps are taken to modify the syllabus, to remedy and fill the gaps. Courses pertaining to Skill Development, Employability and Entrepreneurship are also being mapped.

## **21.Distance education/online education:**

The University has launched Distance Education as per the NEP in order to provide access to higher education to all sections of the society. The objectives are to:

- Promote higher education through non-formal means or correspondence mode.
- Establish networking of learners and knowledge practitioners by means of ICT.
- Offer both conventional and innovative courses for knowledge proliferation.
- Take such courses to the doors of socially and economically disadvantaged sections.
- Collaborate with national and international educational

organizations to promote excellence in non-formal education.

- Export quality higher education through communication networks.
- Encourage disadvantaged and weaker sections to acquire essential skills, information and knowledge to cope with the demands of emerging new professions in a fast-changing global society.

The Centre offers Bachelor's and Master's programmes in Humanities and Commerce.

During Covid period, all faculty switched to online means of teaching and learning by conducting online classes, using various online tools and curating online learning material. Thus, a large collection of online material in the Humanities, Science and Commerce is available for continuous distance learning. Some centres are continuing the online mode for special, invited lectures on a regular basis. The University is also mainstreaming events on a dedicated You Tube Channel for the benefit of all stakeholders.

## Extended Profile

### 1.Programme

1.1

72

Number of programmes offered during the year:

File Description	Documents
Data Template	<a href="#">View File</a>

1.2

28

Number of departments offering academic programmes

### 2.Student

2.1

3387

Number of students during the year

File Description	Documents
Data Template	<a href="#">View File</a>



2.2	1247
Number of outgoing / final year students during the year:	
File Description	Documents
Data Template	<a href="#">View File</a>
2.3	2691
Number of students appeared in the University examination during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
2.4	76
Number of revaluation applications during the year	
<b>3.Academic</b>	
3.1	1078
Number of courses in all Programmes during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	117
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.3	173
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	

4.1	4342
Number of eligible applications received for admissions to all the Programmes during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
4.2	917
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
4.3	130
Total number of classrooms and seminar halls	
4.4	859
Total number of computers in the campus for academic purpose	
4.5	5771.91
Total expenditure excluding salary during the year (INR in lakhs)	
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curriculum Design and Development</b>	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University	
Curricula developed and implement are relevant to local/national/regional/global developmental needs, are globally competitive and offer courses of international relevance. Locally-relevant programmes include local languages, culture, social reform movements, geography of the district etc. Curricula incorporate local culture, history, and traditions and integrater relevant case studies, examples, and research projects reflecting the local context. Collaborations with local agencies and institutions enable students to address and engage with local,	

specific needs and challenges. Curricula leverages the Karnataka Knowledge Commission goals to create and apply knowledge in key areas. Being located on the multi-lingual, multi-cultural West Coast of India, in close proximity to the biodiverse, eco-sensitive Western Ghats and near the coastal city of Mangalore with educational, fisheries and banking sectors, interdisciplinary programme outcomes focus on new knowledge-generation and skill development for the regional job market. Curricula relate to national initiatives, such as Swaasth Bharat, Swachh Bharat, Skill India, Digital India, Make in India and Startup India to equip students with necessary skills for rapidly evolving job markets. Specific global perspectives and sustainable development goals are curricularized. Cross-cultural understanding is promoted through the Govt. of India Study in India initiative with international students enabling diverse, inclusive learning environment. NEP-2020 was introduced towards holistic, skill-based education.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

57

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

#### 1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

750

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 1.2 - Academic Flexibility

**1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year**

227

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year**

40

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

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

The University exists in a multi-lingual, multi-cultural, and well-connected community that has been always open to influences from across the shores. The University curricula offer courses on socially-relevant issues such as gender, social reform movements, environment and sustainability, human values and professional ethics, thus sensitizing and conscientizing the stakeholders. An active civil society, increased exposure, gender parity, and awareness on gender issues are leveraged by the University with a higher number of female students on its rolls. Courses with focus on gender issues include, among others Reading Women's Writing, Gender Studies, Women's Writing in India, Population Studies, and Social Work with Families. Social issues such as geriatrics and addiction have been included as Specializations in Social Work curriculum in 2020-21. PhD course work focuses on ethical issues including research and publication ethics and plagiarism. Topics such as Human values and professional ethics in workplaces are included in the curricula. Centre for Women's Studies offers Electives and Certificate courses on Gender and Development and Entrepreneurship Development. Courses offered include, among others, conserving biodiversity, rainwater harvesting,

biomaterials, bioremediation of pollutants and heavy metals, rejuvenation of waterbodies, bioleaching of soil, solidwaste management, vermicomposting, etc. Courses on Gender Sensitivity, Environment, Indian Constitution etc. introduced as mandatory courses in NEP-2020.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

7

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

#### 1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

343

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

#### 1.3.4 - Number of students undertaking field projects / research projects / internships during the year

1205

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 1.4 - Feedback System

### 1.4.1 - Structured feedback for design and

- All 4 of the above

<b>review of syllabus – semester wise / is received from Students Teachers Employers Alumni</b>	
File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
<b>1.4.2 - Feedback processes of the institution may be classified as follows</b>	<b>• Feedback collected, analysed and action taken and feedback available on website</b>
File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Demand Ratio</b>	
<b>2.1.1.1 - Number of seats available during the year</b>	
<b>1853</b>	
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)</b>	
<b>2.1.2.1 - Number of actual students admitted from the reserved categories during the year</b>	
<b>643</b>	
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>2.2 - Catering to Student Diversity</b>	
<b>2.2.1 - The institution assesses the learning levels of the students and organises special Programmes</b>	

for advanced learners and slow learners

Different strategies are adopted to identify and help slow and advanced learners differently. Oral/written tests/ orientation programmes are conducted regularly to assess the knowledge and learning abilities of the students and extra coaching is given wherever necessary. The learning levels of the students will be evaluated based on the results of the examinations & appropriate action will be taken as discussed in the BOS meetings. Tutorials/Bridge courses are conducted regularly and slow learners are given opportunities to interact with teachers personally to solve their academic problems. Standard lecture notes are provided to slow learners to facilitate learning. Surprise tests, quizzes, group discussions etc. are conducted in the departments to boost the confidence of slow learners. In departments like Physical Education, standardised skill and fitness tests are conducted periodically. Highly skilled students are given the responsibility to guide the average and weak students to bring them into the mainstream. Special demonstration classes by Adjunct/Visiting Professors are arranged to motivate advanced learners to take up higher studies, to take up projects and participate in subject-related co-curricular activities and conferences held in-house and in neighbouring institutions. Some students have won best paper awards at national and international conferences for their project work.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link For Additional Information	<a href="https://mangaloreuniversity.ac.in/adjunct-professor">https://mangaloreuniversity.ac.in/adjunct-professor</a>

### 2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
3387	117

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 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

The departments consistently believe in and practice student-centric pedagogies. Teaching-learning methods adopted by faculty members include lecture method, interactive method, home assignments, project-based learning, computer-assisted learning, and experiential learning. The faculty invariably engage the students in discussion so as to extract their point of view, enable them to gain experience, and inculcate in them creativity and innovation. Seminars, group discussions and workshops are conducted routinely to enable students to develop their communication, analytical, technical, social skills, and gain hands-on experience and experimental skills. Visits to industries and central facilities are regularly undertaken to keep the students abreast of the developments in their fields and the state-of-the-art facilities available for research. Field trips and study tours enable students to acquire field experience and interaction with the public to understand societal problems. Rural/tribal residential camps are organised to provide an opportunity to experience community life and dynamics, including functioning of local self-government, voluntary organisations and Government schemes. Special lectures by eminent scientists, entrepreneurs, social scientists, and industrialists are organized to create awareness about their social responsibilities and to prepare them for life's challenges. Subject-specific societies provide a platform to showcase students' talents, manage inter-collegiate competitions, and learn through fun and activity.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

ICT has enabled faculty members to use a variety of teaching methodologies and advanced technologies in classrooms to enhance the teaching-learning experience. Classrooms and seminar halls are equipped with multimedia teaching aids like interactive boards, LCD projectors, computers with internet connectivity (WiFi/LAN) alongside traditional blackboard/whiteboard teaching tools. Every faculty member is provided with laptops which they use effectively for teaching and research. The major electronic resources such as NPTEL, MOOCs, Coursera, Youtube, digital libraries including Inflibnet, spoken tutorials are accessible to faculty as well as



students. Databases such as PubMed, NCBI, EMBL, DDBJ, OMIM, KEGG, PDB, UNIPROT, Saccharomyces genome, cancer genome atlas, human genome TKDL and tools like Rasmol, BLAST and FASTA are used by Life Sciences faculty members and students for teaching and learning. Statistical tools used in teaching and learning processes include SPSS, GraphPad Prism etc. Licensed software such as MS Office, Matlab and Open Source Software such as Latex and Open Office are used by faculty members as well as research scholars and students for preparing slides for presentation and documentation. Softwares such as Rstudio, Java, Python, LIS (Library Information System) are being used by Computer Science, Mathematics, Statistics and Electronics students for regular laboratory courses.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues during the year

#### 2.3.3.1 - Number of mentors

107

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 2.4 - Teacher Profile and Quality

#### 2.4.1 - Total Number of full time teachers against sanctioned posts during the year

117

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

#### 2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

106

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 2.4.3 - Total teaching experience of full time teachers in the same institution during the year

#### 2.4.3.1 - Total experience of full-time teachers

2054

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

03

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

### 2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

107

#### 2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

107

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

76

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

University is effectively using the latest Technology to improve the examination system. Earlier, the examination process was managed by an outside agency. In this year, an effort was made to develop an in-house system. The university now uses a well-tested software MuLinx as examination management system which has vastly improved in terms of cost, speed, accuracy, efficiency and reliability with the following features:

- Single window examination portal is secured with client ID and password. Unique user credential is assigned to an authorized person: user and IP are also recorded in the database.
- Registration numbers, institution-wise and programme-wise are generated for all students.
- Generation of exam admission tickets and absentees' data collection are done through the portal.
- Automatic answer booklet coding is done by the system and the answer scripts are directly sent to the Valuation Centre.
- Double/online entry of theory marks reduces the data entry errors.
- Online entry of practical examination marks at the laboratory centers itself by the examiners reduces the errors.
- Result generation involves score generation, addition of Internal Assessment marks, addition of practical/viva marks, applying grace marks and SGPA/CGPA calculation.
- Marks cards and soft copies of the Ledger with student's colour photograph are sent to the departments.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

<b>2.5.4 - Status of automation of Examination division along with approved Examination Manual</b>	<b>A. 100% automation of entire division &amp; implementation of Examination Management System (EMS)</b>
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>2.6 - Student Performance and Learning Outcomes</b>	
2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents	
<p>Each department ensures that Programme Outcomes, Programme Specific Outcomes, and Course Outcomes of Curricula offered are displayed on the University website, stated and communicated to teachers and students through meetings of the departmental council, Board of Studies, and orientation programmes. The faculty of each department discuss the requirements of the syllabus and take a collective decision regarding the contents of the syllabus keeping in view Programme Outcomes, Programme Specific Outcomes and Course Outcomes through discussion with the experts on the Board of Studies. The Course Outcomes are highlighted in the classes by the teachers handling the respective courses. The updates in the syllabus are made available to the students through hand outs and also through the university website. The students' opinion about the effective delivery of course contents and meeting the course outcomes is collected as feedback through online questionnaire at regular intervals and reviewed by the Board of Studies. The academic performance of the students is also reviewed in the Board of Studies and problems, if any, are discussed and remedial measures taken. If the course outcomes are not realized, steps are taken to modify the syllabus to remedy and fill the gaps.</p>	
File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year	

The attainment of Course Outcomes in each Programme is evaluated by conducting internal tests, practical tests, seminars, assignments, project works and viva voce which provides a direct assessment of the theoretical knowledge gained, problem solving ability, analytical thinking ability, communication skills, presentation skills and practical skills of the student. The attainment of the Programme Specific Outcomes is evaluated by the overall grades obtained by the students in the semester examination, the percentage of students getting suitable placement immediately after completion of the course, the percentage of students qualifying for state level and national level competitive examinations and the percentage of students taking up higher studies. The attainment of Programme Outcomes is assessed by the number of outgoing students with requisite knowledge in the subject, skills and right attitude, and capability to lead a good life, professionalism, strong ethical values, capability to assume pivotal role in various academic and industrial sectors aligned with national priorities, proactive thinking to perform effective teaching and research and entrepreneurial approach and skills to function effectively, efficiently, and ethically in diverse sectors of the academia or industry as gathered from the feedback of outgoing students, the alumni during alumni association meetings, and employers.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 2.6.3 - Number of students passed during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

1219

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

<https://mangaloreuniversity.ac.in/271-student-satisfaction-survey->

[overall-institutional-performance](#)

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

University has state-of-the-art research facilities in Chemical, Materials and Life Sciences, and Radiation Physics. Majority of facilities are installed in central facilities: PURSE and USIC. Three national facilities; Microtron Centre, Centre for Application of Radioisotopes and Radiation Technology (CARRT) and Centre for Advanced Research in Environmental Radioactivity (CARER), with advanced facilities are involved in inter-disciplinary research. Technical details of instruments are provided on the University website. Details of some of the high-end instruments in the individual departments are also made available on the website. The details of new facilities, as and when installed, are updated periodically on the University website. The facilities in the research centres are extended to other institutions to promote collaboration and inter-disciplinary research. Microtron Centre, CARRT, CARER, PURSE, USIC and individual departments have users from several institutions from India and abroad. Some of the facilities are extended on a chargeable basis to augment the maintenance expenses, earmarked by the University. The details of charges are made available on the University website. Periodic training and workshops on instruments and related areas are conducted for the benefit of researchers and this information is disseminated on the website.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

**3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year**

2

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year**

46

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.1.5 - Institution has the following facilities to support research**  
**Central Instrumentation Centre**  
**Animal House/Green House Museum**  
**Media laboratory/Studios**  
**Business Lab**  
**Research/Statistical Databases**  
**Moot court**  
**Theatre**  
**Art Gallery**

A. Any 4 or more of the above

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year**

8

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.2 - Resource Mobilization for Research****3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources**

**such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)**

**49.4**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)**

**677.82**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year**

**23**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### **3.3 - Innovation Ecosystem**

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Mangalore University Incubation Centre (MUIC), the flagship initiative in partnership with IBM India Pvt. Ltd and their subsidiary NCS India, serves the students' needs in the job market. It offers certificates, diplomas, advanced diplomas, internships and project programs in latest technology trends. IBM being on board, facilitates MUIC to adapt and evolve to the latest technologies and offer tailor-made courses/training. The centre has conducted workshops on data analytics, internet of things (IoT), cyber security, blue mix, SPSS, artificial intelligence and machine learning using python etc. Courses are



planned on (i) open stack platform for open-source cloud computing, (ii) use of Qualnet for research on protocol and waveform technology, network design and architecture optimization, capacity prediction, modelling, mission planning, early-stage device design comparisons, and (iii) mobile forensics and cybercrime. The centre has designed a programme on Bachelor of Digital Architecture. This programme is envisaged to develop logical, parametric design and critical thinking skills in the field of digital architectural technology. Students are empowered to apply skills in building design, project management and leadership skills to equip them for the construction industry. Emphasis is given to project-based learning and case studies to learn from real-life examples and incorporate them into the design.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### **3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year**

12

#### **3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year**

12

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### **3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year**

#### **3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year**

15

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

#### 3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

**3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following**

- 1. Inclusion of research ethics in the research methodology course work**
- 2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)**
- 3. Plagiarism check**
- 4. Research Advisory Committee**

**A. All of the above**

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter / website**

**B. Any 3 of the above**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

#### 3.4.3 - Number of Patents published/awarded during the year

##### 3.4.3.1 - Total number of Patents published/awarded year wise during the year

**1**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.4.4 - Number of Ph.D's awarded per teacher during the year**

**3.4.4.1 - How many Ph.D's are awarded during the year**

**138**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year**

**547**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.4.6 - Number of books and chapters in edited volumes published per teacher during the year**

**3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year**

**72**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS**

**E. None of the above**

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

### 3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
6.10	5.64

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Scopus	Web of Science
29	18

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

The University has a well-stated policy for consultancy and revenue sharing. University identifies areas and expertise of the faculty and encourages them to take up consultancy. The terms and conditions for taking up consultancy are stated clearly in the policy document. The University approves the consultancy fees based on the recommendations of the faculty undertaking the consultancy, and it is based on the quantum of work involved and technology developed. The University shares 50% of revenue

generated with the concerned faculty. Several faculty members have extended high-value consultancy services to industries, including reputed institutions/industries such as the Nuclear Power Corporation of India, etc. Consultancy services are also provided in testing samples from industries, and a significant amount of funds have been generated. The services provided by the Centre for Advanced Research in Environmental Radioactivity (CARER) in testing and issuing certificates for radioactivity in commodities destined for export and inland uses are worth mentioning. Similarly, the Centre for Application for Radiation and Radioisotopes (CARRT) has provided valuable services in gamma irradiation facilities (blood and bone marrow irradiation for transfusion) to the medical institutions and hospitals in the region. Faculty of Commerce and Management is also actively involved in imparting consultancy services.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

#### 3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

14.47

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

The University is involved in various extension activities, including social surveys and research/extension work targeting the underprivileged sections of the society. In line with the mission statement, the University has organized programmes for the benefit of the neighbourhood communities. They are:

- Village adoption programme,
- Training rural students and school teachers in computers,

- Motivational camps,
- Medical, blood donation and yoga camps,
- Swachh Bharat Abhiyaan,
- Establishment of medicinal plants garden, medicinal plants exhibition and encouragement to cultivate medicinal plants,
- Research, review, documentation and revitalization of traditional medicinal practices of the tribes of Western Ghats, and
- Street plays on social issues.

Through NSS and NCC, camps are conducted to address health, environmental, and culture issues. Knowledge is shared with the neighbourhood community through Prasaranga by arranging lecture series and publishing books on current issues. Workshops/training on gender equity, women empowerment, alternative energy sources, and vermitechology are arranged. Yakshagana Study Centre arranges lectures/workshops and honours artists besides training students from neighbouring schools. The Departments of Political Science, Social Work and Sociology organize programmes to sensitize communities on social issues like discrimination, gender equity, alcoholism, communal harmony, family planning and child health, and local governance. The indoor and outdoor sports facilities are extended to locals.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### **3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year**

#### **3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year**

2

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### **3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in**

**collaboration with industry, community and NGOs)****62**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year****2636**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.7 - Collaboration****3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year****3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year****21**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year****25**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

Mangalore University campus spread over 353 acres has built-up area of 1,14,823 sq.m. with 15 teaching blocks/buildings accommodating 26 Departments offering 40 PG, 30PhD and PG Diploma programmes. The PG Centre with 70.47 acres and built-up area of 10,250 sq.m., accommodates 02 departments with 12 PG programmes. Of 108 classrooms, 72 are ICT-enabled. There are 24 halls for conducting seminars/workshops. Of 133 laboratories, 54 are for research and 25 for computing with 423 PCs, 213 laptops. High-end, sophisticated instruments like NMR, LCMS, XRD, HPLC, FTIR, UV-Visible spectroscopy, RF/DC-magnetron, EDS, AAS, FESEM, TGA-DTA/DSC, Amino acid analyser, Laser particle size analyser, Cytogenetic workstation, Gel Doc, PCRs, Logic Analyser, and Liquid Nitrogen plant are housed in PURSE and USIC. Advanced Research Centres - Microtron, Environmental Radioactivity, Radioisotopes & Radiation Technology and Incubation Centres are established. A few databases/software namely PROWESS, Schrödinger Molecular Drug Discovery Suite, SPSS and QualNet are available. Language and IoT Laboratories facilitate language and ICT skills. Library has over 150000 volumes including books, journals, theses, dissertations, government documents and access to 7000+ full-text journals, e-resources and plagiarism softwares. Campus is Wi-Fi enabled. IP-based telephones are provided to teachers and offices. Digital University Information Management System maintains the University website.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

University has adequate infrastructure for promoting sports, indoor games, cultural activities and yoga. The Directorate of



Physical Education has a 400mts track with pavilion, playground, air-conditioned fitness centre, multipurpose indoor hall, and well equipped sports science labs for sports performance evaluation, sports injury treatment and research. Department of Yogic Sciences, the first of its kind when established, provides yoga therapy for various kinds of ailments through Dharmanidhi Yoga Peetha besides teaching and research in Yogic Science and spreading awareness on the benefits of Yoga. Directorate of Student Welfare encourages and monitors the extracurricular activities of the students. It plays an active role in promoting initiatives for the creation of a cultural ethos within the University, in organising Talents Day, Traditional Day, and Sambhrama - an annual student fest, academic and cultural events through the student council, which provide opportunities to students to showcase their talents. Yakshagana Study Centre, supported by funds from philanthropists organises series of lectures and training programmes to disseminate knowledge and cultural heritage of the renowned regional folk art Yakshagana. It maintains the Yakshamangala Museum which displays life-size models and artefacts related to Yakshagana.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

#### 4.1.3 - Availability of general campus facilities and overall ambience

The campus has facilities like auditorium with seating capacity of 1000, six seminar halls, museums, botanical gardens, arboretum, workshops, yoga therapy lab, cyber labs, hostels for men, women, and working women, state-of-the-art fitness centres, indoor sports complex, staff quarters, guesthouses and well-equipped health centre with doctors, counsellor and support staff. University has its own power distribution centre and water supply. Two nationalised banks, four ATMs, BCM hostels for men and women, post office, a day-care centre, Kindergarten to UG college through all levels, shopping complex, canteen, telephone exchange, publication wing-Prasaranga and Employees Credit Co-operative Society are available to cater to the needs of stakeholders. Different bodies like the Directorate of Student Welfare, College Development Council, SC/ST Cell, OBC Cell, University Employment Information & Guidance Bureau, Sensitisation, Prevention and Redressal of Sexual Harassment Cell, and Anti Ragging Committee help in interacting with the stakeholders. Security personnel backed up with CCTV surveillance and housekeeping/ garden staff keep the campus safe and clean. Outdoor learning points have been established. Campus

is surrounded by large number of trees, parks and lawns making it a green campus and ranked 1st in the country and 132nd in the world as most sustainable university 2021 by Green Metric.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

#### 4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

384.77

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

The University library is automated with the Koha Integrated Library Management Software which provides different modules such as Cataloguing, OPAC, Serial Control, Circulation, Patron management, Searching Basic/Advance, Report, and Tools which help in smooth functioning of the library. Bibliographical information of books are entered in catalogue, through MARC 21 format and is barcoded by Koha, which can be accessed via web OPAC. The University Library has 14 online databases under e-shodhasindu to provide access to 7000+ full text journals and 76,87,877 e-books to its stakeholders. They can access these anywhere in the campus through wifi facility, including in hostels, on 24x7 basis. In addition to this, library has 1,50,000+ print collection. The library has a dedicated cyber lab for the benefit of the users. Online service of sending scanned copy of cover pages and content pages of journals/text books on arrival to the individual faculty members and Departments through e-mail is initiated so that the stakeholders are informed. Library has started to issue smart cards to all faculty members, research scholars and students, which can be used as library borrower card as well as university ID.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
<b>4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases</b>	<b>A. Any 4 or all of the above</b>
File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
<b>4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)</b>	
<b>12.31</b>	
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)</b>	
<b>620</b>	
File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
<b>4.3 - IT Infrastructure</b>	
<b>4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year</b>	
<b>96</b>	
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

The Institution provides sufficient funds as and when required for requisite updating and regular maintenance of IT infrastructure. The campus is provided with 2 leased lines to facilitate internet access. 1Gbps speed leased line is provided under National Knowledge Network programme and another leased line of 500 Mbps speed by i-On Systems. Both the leased lines use BSNL circuit. The entire campus is updated with secured internet connectivity by installing state-of-the-art Firewall. Wi-Fi controller with a redundant controller consist of 190 indoor access points and 10 outdoor access points distributed across the campus. Adequate security has been ensured for connectivity to the network by allowing access to only registered users. RF-based closed-circuit television (CCTV) setup is established with 147 cameras of different types installed on the campus, covering most of the areas of the University. The security system set-up stores video footage for a period of 30 days which can be viewed directly. The footage of a particular time slot can also be copied separately. The control of the entire set-up is hosted at Computer Centre. The licence for the Online Webex Platform was subscribed to for smooth conduct of online classes, seminars, meetings.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

#### 4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
2705	713

#### 4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

• 1 GBPS

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

#### 4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and

A. All of the above

softwares for editing	
File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Upload the data template	<a href="#">View File</a>
<b>4.4 - Maintenance of Campus Infrastructure</b>	
<b>4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year</b>	
<b>537.23</b>	
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
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.	
<p>Every year the university makes sufficient budgetary provision for the maintenance of its various physical, academic and support facilities and utilizes this grant for their maintenance. Repair and maintenance works related to electricity, electrical and solar energy appliances, water supply, sanitation and civil maintenance are carried out by the engineering division via e-tendering or on-call basis as per procedure. The equipment maintenance is undertaken by USIC and heads of various centres and departments by following the university norms. Maintenance of IT infrastructure is carried out under AMCs overseen by the Computer Centre Director via e-tendering. Sports facilities are maintained by the Directorate of Physical Education through AMC or on-call basis. Maintenance of horticulture facilities is outsourced by engaging required number of employees under the supervision of a horticulture expert and Estate Officer. Following required procedure, the estate officer provides 24x7 security services to safeguard all facilities with the help of required number of outsourced guards. University endeavors to ensure optimal utilization of its facilities by issuing guidelines. Facility-wise, daily log-books are maintained to monitor the utilization level. Scientific equipment in central laboratories, library and sports facilities are made available for the users of other institutions on nominal charges.</p>	

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
<b>STUDENT SUPPORT AND PROGRESSION</b>	
<b>5.1 - Student Support</b>	
<b>5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)</b>	
1159	
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year</b>	
929	
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology</b>	<b>A. All of the above</b>
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases</b>	<b>• All of the above</b>

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

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

## 5.2 - Student Progression

**5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)**

**5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year**

113

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**5.2.2 - Total number of placement of outgoing students during the year**

139

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year**

68

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 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 events (award for a team event should be counted as one) during the year

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

#### 5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

The Postgraduate Students Council was formed through indirect election on 26th February 2021 and inaugurated on 23rd March 2021 with an inter-departmental talents day programme.

#### Initiatives during the year:

- To develop communication skills, the Mangala Toastmasters Club was formed on 30th March 2021 with 21 charter members. Meetings are conducted fortnightly.
- Anti-drug awareness programme was held on 1st Feb. 2021 at Mangala Auditorium. Dr. N.S. Raviraja and Dr. P.V. Bhandary spoke on "No Excuse for Drug Abuse" and "Scientific Treatment of Drug Addiction". An effective skit was performed by the MSW students on anti-drug movement.
- 120 students participated in the cultural programme organized in honor of NAAC Peer team visit on 8th Feb. 2021 and received appreciation from the NAAC Peer Team.
- A training programme in Self Defence and Karate was inaugurated on 2nd March 2021 and classes held twice a week for two months.
- Ganeshotsava was celebrated on 10th September 2021 at Mangala Auditorium.
- Students showcased their cultural talents on 22nd Sept. 2021 during Foundation Day Celebrations.



- Students participated in Online Debate Competition on 28th October 2021.

The Directorate of Student Welfare prepared and displayed Posters on Student Charter, Student Grievance Redressal Mechanism, Anti-Ragging, Covid-19 guidelines, etc.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

44

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services during the year

Mangala Alumni Association (MAA), formed in 2006, is a registered body having more than 25000 members with a vision of representing the academic and professional issues of alumni, faculty and students of its alma mater. The office bearers are elected each year and the executive council of the association meets on every third Saturday of the month to discuss programs and their implementation. Over the years, MAA has organized a number of Teacher Competency Development Workshops, Soft Skill Training Programs, Endowment Lectures, Student Counseling Workshops, Voters Awareness Lecture Series, Job Fairs, etc. for the benefit of students and faculty members of the university and affiliated colleges. MAA has drafted a Vision Document and submitted it to the Hon'ble Vice Chancellor, with an assurance of whole hearted support of all the members during the implementation of the same by the University. The University has provided a room in the Lecture Complex for the use of the association. MAA has organized seminars/webinars and workshops on "NEP-2020" and extended full support to the university to create awareness among stake holders and teachers to successfully implement the policy from the academic year 2021-22.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
<b>5.4.2 - Alumni contribution during the year (INR in Lakhs)</b>	<b>D. 1 Lakhs - 3Lakhs</b>
File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
<b>GOVERNANCE, LEADERSHIP AND MANAGEMENT</b>	
<b>6.1 - Institutional Vision and Leadership</b>	
6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance	
<p>The governance initiatives undertaken to further the vision and mission include:</p> <p><b>Academics and Research</b></p> <ol style="list-style-type: none"> <li>1. Regular updating of syllabus in light of NEP-2020.</li> <li>2. Introduction of innovative courses with focus on creativity, employability and skill development.</li> <li>3. Organisation of periodic skill development programmes</li> <li>4. Encouragement for research publications, conduct and participation in seminars/conferences by faculty/students by providing necessary financial and logistic support</li> <li>5. Closer watch on Plagiarism</li> <li>6. Research and Consultancy Cell upgraded to Research Development Consultancy and Patent Cell</li> <li>7. Signed MOUs with international agencies for collaborative programmes and research.</li> </ol> <p><b>Extension and Outreach</b></p> <ol style="list-style-type: none"> <li>1. Organization of regular training programs for students and public by Study Centres and Endowment Chairs regarding values, local languages, culture, folklore etc.</li> <li>2. Local languages - Tulu, Konkani, Beary, Kodava are included in the academic programmes.</li> <li>3. Admission to PG programme is provided to talented students under separate category of cultural activity.</li> <li>4. Adoption of 10 primary/high schools from neighbouring</li> </ol>	

villages with infrastructural and academic assistance for the under privileged.

5. Swatchata Abhiyan is conducted regularly
6. Initiation of Vivekavani - a programme of Swami Vivekananda Study Centre, and youth programmes.

#### Infrastructure

1. Facilities for swift shift to online teaching mode during Covid through licensed Webex platform.
2. Fully-equipped Gymnasium, playground, sports and yoga facilities.
3. ICT-enabled 'Smart' classrooms; Centralized Computer labs in most buildings for students use.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

Although there is a chain of command headed by the Vice-Chancellor for overall policy direction and assistance with the Registrar (Administration), Registrar (Evaluation) and Finance Officer tasked with specific responsibilities, the University operation is structured for collective decision-making and participative management. All decisions of the University are guided by recommendations of the Committees constituted for the purpose. The Boards of Studies and Departmental Council of each department forms the foundation of the University system from where academic initiatives emanate and get implemented. Ensuring consistency and quality is carried out by the offices of Faculty-level bodies headed by Deans and Academic Council whose recommendations are placed before the University's top managerial body, Syndicate for final consideration. In these bodies, teachers and other stakeholders are actively involved and decisions are adopted after democratic deliberations. In the making of decisions, students' voices are heard. Students have representation on bodies like Academic Council and committees like Anti-ragging Cell, Special Cell for Women, ICC, IQAC, Hostel management and Canteen Committees. The Students Union, Mangalore University Teacher's Association and Non-teaching staff association play an important role in University's decisions as their demands are adequately and satisfactorily addressed. The Alumni association plays a significant role in developmental activities.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic plan is effectively deployed

The University executes plans with specific and pre-defined goals, including implementation of policy decisions such as strengthening academic programmes through NEP and furthering the implementation of e-governance.

NEP-2020, as envisaged by Central and State Governments, was implemented in affiliated, constituent and autonomous colleges in three jurisdictional districts of Karnataka. A task force, Nodal Officer, sub-committees were constituted for effective deployment and to solve the teething issues pertaining to individual colleges/ programmes. Several workshops at various levels were conducted to educate the stakeholders including general public, teachers, students and college administrators. The problems faced by the colleges were addressed and redressed by offering immediate solutions.

The administration strategically furthered e-governance through effective implementation of e-office platform of Government of Karnataka. During a routine stocktaking of the implementation status of e-governance, our University had the highest number of files disposed through e-office. It has speeded up the process of file disposal thereby providing services in a specified time frame. Towards this, all University offices were computerised and all case workers were trained in e-office. All the circulars/notices, agenda, documents and proceedings of meetings are sent through email, thus tending towards paperless office. During meetings, the documents are displayed through ICT-enabled tools thereby reducing paper.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

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

Under the leadership of the Vice Chancellor, officers execute and implement the plans envisioned by the University with approval

from the statutory bodies and the Hon'ble Chancellor. The officers and staff are governed by the statutes and regulations of the University framed and revised in consonance with the UGC regulations from time to time under the provisions of the Karnataka Universities Act 2000, assented by the Hon'ble Chancellor. The teaching and non-teaching staff are governed by the Cadre and Recruitment Statutes. In the absence of relevant statutes and regulations on any particular aspect, Karnataka Civil Service Rules (KCSR) are followed. The statutes related to service rules, procedures, recruitment, promotional policies, etc., regulations governing the rules of implementation, recruitment and promotional policies are as per UGC norms. Besides code of conduct, legal disclaimer, privacy policy, policies exist for Research, Anti-plagiarism, IPR, Sports etc. In order to ensure safe and congenial study environment and to address the welfare of Women, SCs, STs and OBCs, University has constituted various grievance redressal committees and cells, such as SPARSHCell, OBC Cell, SC-ST Cell, Internal Committee, Anti-ragging Cell, Anti-Drug cell etc. The University decisions are based on recommendations of the committee constituted for the purpose.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 6.2.3 - Institution Implements e-governance in its areas of operations

**6.2.3.1 - e-governance is implemented covering following areas of operation**

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

**A. All of the above**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

The University regularly obtains performance appraisal reports from teaching and non-teaching staff, which is used for regular time-bound performance based promotions. The University has instituted many measures to enhance the professional competence of teaching and non-teaching staff. Faculty members are encouraged to attend and participate in orientation programmes, refresher courses, summer/winter schools/workshops/seminars/conferences, and symposia by providing on duty leave and financial assistance. Sabbatical leave is provided to carry out advanced research/academic work. Acknowledging the role and importance of teachers in its growth, the University has instituted the Best Teacher Award, given annually. The University campus is self-contained and provides all the essential facilities and infrastructure for the pursuit of excellence in higher education, including well-equipped health centre, shopping complex, food court, two nationalized banks, ATMs, post office, indoor gym and fitness centre, yoga therapy centre, and telephone exchange. The University has residential quarters for its employees, a Day-Care Centre, education institutions from Kindergarten upto Graduation within the campus. An Employees' Credit Cooperative Society is formed by the employees. Internet through lan points and Free Wi-Fi facility is available to all teaching and non-teaching staff on the entire campus. Forty seats for Master's across faculties are earmarked for wards of employees/former employees.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

### 6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

2

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

14

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

#### 6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

23

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

#### 6.4 - Financial Management and Resource Mobilization

##### 6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The funds received from State Government are utilized by the University for payment of salary of teaching and non-teaching staff. The University also mobilizes resources from funds generated through partially self-financing courses, affiliation fees etc. Resource mobilization is also carried out through funding from alumni/donors, interest on corpus funds and fees. Funds generated from these sources are primarily used for maintenance and development of infrastructure. The University provides space on lease for various commercial utility facilities such as banks, Post Office, Grocery shops, etc. for the benefit of students, faculty members, staff and the local populace. The departments are encouraged to submit proposals to funding agencies for the conduct of GIAN programmes, FDPs, workshops, conferences, seminars. Proposals submitted to the University for funding are approved and sanctioned as per the guidelines. Optimum utilization of funds is ensured through adequate allocation of funds for effective teaching-learning practices that include orientation programmes, workshops, inter-disciplinary activities, training programmes, operational and administrative expenses and maintenance of fixed assets, enhancement of library facilities to augment learning practices, and development and maintenance of infrastructure. Purchase and e-Tender Screening Committees approve purchase following the Karnataka Transparency in Public Procurements norms and e-tender processing. The University Finance Committee is constituted with Govt. officials from Higher

**Education and Finance Departments.**

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)****248.11**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)****3.06**

File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>

**6.4.4 - Institution conducts internal and external financial audits regularly**

The Finance Officer ensures that proper procedures are followed as per the Karnataka Transparency in Public Procurements norms and e-tender processing by the respective department/staff before releasing the payment. The Purchase and e-Tender Screening Committees approve purchase. The University Finance Committee is constituted with officials from Higher Education, Finance and Planning Departments of the Govt. of Karnataka and meets regularly. Thus, an internal audit is part of the functioning in the Finance section which ensures proper utilisation of resources. Such internal audit includes undertaking checks and measures of various documents such as the call for tenders, work orders issued, work completion certificates and so on. The internal audit process starts from case workers and moves up to the Finance Officer. In the meanwhile, if there are any clarifications to be sought, the documents are sent back to the concerned department/clarifications sought. Subsequently, upon satisfactory



submission of relevant documents, approval is given for the release of payment by the Finance Officer with concurrence of the Vice Chancellor. External audits are conducted by a team of auditors from the Govt. of Karnataka. During the audit process, opportunity is provided for officers to give clarifications, if any, following which a detailed Report of the Audit Objections is prepared and presented.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

## 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 by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

### 1. Strengthening stakeholders feedback mechanisms

The Feedbacks taken from various stakeholders were revised to include more curriculum-related aspects, teaching-learning outcomes and holistic development of the students. Teachers offered feedback on the curriculum and mechanisms for continuous revision of the syllabus in keeping with global, national and local trends. Employers offered feedback on soft and transferable skills of employees, ability to work in a group, towards deadlines and general attitude. By sending the feedback obtained back to the departments and obtaining action taken reports and communicating the same to the Syndicate, the IQAC has further strengthened the feedback mechanisms.

### 2. NEP-2020 Implementation

Responding to the directives from GoI and GoK and in consultation with the Karnataka State Higher Education Council (KSHEC), NEP-2020 was envisaged, drafted and adopted for 26 Bachelor's Programs. Several committees were formed to evolve action plans. IQAC Director and Dean, Faculty of Science and Technology coordinated with Nodal Officer NEP-2020 and College Development Council to have the Launch of NEP-2020 on 31-8-2021 wherein Vice-Chairman, KSHEC, gave highlights on the various templates/programmes. An awareness programme for parents/stakeholders was conducted at Town-hall on 25-10-2021. Subsequently, region-specific Workshops were held at 7 affiliated colleges. NEP-2020 has thus been launched successfully.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
<b>6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Conferences, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and students Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)</b>	<b>A. Any 5 or all of the above</b>
File Description	Documents
Upload the data template	<a href="#">View File</a>
Upload relevant supporting document	<a href="#">View File</a>
<b>6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)</b>	
<p><b>1. Based on Advisory Committee decision, Special Officer/Director for Academics for overview on academic matters appointed on 12-08-2021.</b></p> <p><b>2. Adapted NAAC Student Charter assuring students of commitment to all-round development, providing excellent academic ambience, support for co-scholastic events and conscientizing regarding responsibilities of learning and authentic feedback.</b></p> <p><b>3. To facilitate processes of NAAC/AQAR/NIRF, Department-level Coordinators appointed to liaison for improved outcomes.</b></p> <p><b>4. Problem Based Learning (PBL), an effective pedagogy for student engagement initiated with 5 faculty members attending the KSHEC Regional Research Symposium on PBL in June 2021 conducted in collaboration with UNESCO Centre for PBL in Engineering Education and Sustainability, Aalborg University, Denmark and completing Introductory Course on PBL in Higher Education.</b></p>	

5. IQAC participated in Final Dissemination Conference of EQUAM-BI Project organized by NAAC on 8-7-2021

6. IQAC screened and forwarded journals submitted by University faculty to the UGC Care Centre, SPPU Pune.

7. Initiated submission of five UGC Skill-based Course proposals as per NSQF and on par with relevant Sector Skill Councils of NSDC with appointment of Nodal Officer.

8. Applied for recognition as Gender Advancement for Transforming Institutions (GATI) by DST and partnered with the Monitoring and Evaluation Partner for the GATI pilot project.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

## 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 year

The University has evolved mechanisms towards gender equity in academic, administrative and leadership positions. The enrolment of girls has been increasing challenging the University to implement various activities pertaining to their interest. The UGC-Centre for Women's Studies works to create more awareness about women's rights by organising programs on sensitization, awareness and motivation, offering electives and Certificate courses. The campus has appointed gender champions who ensure egalitarian social practices and harassment-free campus. They arrange programs and conduct workshops about gender issues. Towards safety and security of women, the campus is under surveillance by 24x7 Security personnel under supervision of Security Officer and CCTV system. Constant consultations are held with Hostel Staff Advisors to monitor safety/security measures. All students are given detailed instructions about necessary arrangements required for safe movement even during late evenings. Towards counselling, qualified counsellors have been appointed to help students to solve their problems at the primary level. They maintain a one-to-one rapport with students who are in need of support to clear mental blocks, especially in the beginning of the academic year and to boost their morale. Common Rooms that are available in all faculty buildings for women are regularly upgraded with adequate infrastructure. A functional Day-care Centre is also available.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Annual gender sensitization action plan(s)	<a href="https://mangaloreuniversity.ac.in/sites/default/files/2022/AQAR-Doc/7-1-1-Annual-Gender-sensitization-Action-Plan.pdf">https://mangaloreuniversity.ac.in/sites/default/files/2022/AQAR-Doc/7-1-1-Annual-Gender-sensitization-Action-Plan.pdf</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	<a href="https://mangaloreuniversity.ac.in/upload/AQAR-Docs/criterion-vii/7.1.1-Specific-facilities%20provided%20for%20women-revised.pdf">https://mangaloreuniversity.ac.in/upload/AQAR-Docs/criterion-vii/7.1.1-Specific-facilities%20provided%20for%20women-revised.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

**A. Any 4 or All of the above**

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management**

The University has adopted measures to tackle waste generated at source, or transfers it to authorized agencies for due disposal. Solid/wet waste from hostels and canteen and garden waste is converted through vermiculture to produce vermicompost which is used as organic fertilizer. The university has adopted zero tolerance to plastic by forbidding use of plastic cups/plates in hostels/cafeteria and official programs. Flex banners, plastic carry bags are replaced with cloth/paper. Use of biodegradable cups/plates made from areca/banana leaves is encouraged. Civil construction waste, e-waste, electrical appliances waste etc. are stored in a particular place and disposed through certified agencies. Examination paper waste and newspapers purchased by the library/departments are auctioned periodically for recycling. Used tubelights and accessories are stored in the Engineering division

and handed over to the city corporation for disposal. Waste is collected through waste baskets at required places. "Swacchtha Abhiyan" is conducted regularly. A Biogas plant at the Women's hostel generates gas supplementing cooking fuel. Liquid waste from toilets, bathrooms, kitchen and laboratories, is connected to the leach pits in the respective buildings. Biomedical waste is disposed as per government norms and handed over to authorized agencies. Radioactive waste is handled as per AERB regulations.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution**

**7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:**

A. Any 4 or all of the above

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

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software,mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

**A. Any 4 or all of the above**

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

**7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)**

**One of the mission statements of the University is to contribute towards building a socially-sensitive, human, inclusive society. Towards this, dedicated Study Centres work for the creation of an inclusive environment characterized by harmony and tolerance. UGC-sponsored Centres are dedicated to studies on national icons such as Mahatma Gandhi, Pandit Nehru and Babasaheb Ambedkar. The Ambedkar Study Centre and the Centre for Social Exclusion and Inclusive Policy have gone deep into rural Dakshina Kannada, Kodagu and Udupi with the cause of social justice. These programs in turn boost the zest for education amongst the oppressed class and result in the enhanced enrolments in the nearby schools and colleges. The centres also educated the villagers to get the benefits of government schemes without any hitch. The**

Study/Research Centres around local/regional iconic figures, national leaders, religious philosophers, writers and poets, besides emphasizing local arts through the Beary Study Centre, Tulu Chair, Kodava Chair and the Yakshagana Study Centre are contributing immensely to awareness in society. The extension activities conducted emphasise cultural uniqueness and diversity and facilitate creation of an environment favourable to inclusive policies. The University provides a conducive environment through these activities to help harmonise student and employee's attitudes.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The University sensitizes all stakeholders through curricular interventions and commemorative days. A mandatory course on Indian Constitution across all programs enables enrolled student to read and understand constitutional obligations with reference to values, rights, duties and responsible citizenship. To avoid students falling prey to anti-social/anti-national forces, and to realize their goal of pursuing higher education, regular programs concerning the Indian constitution/nation are conducted. National festivals such as Independence Day, Republic Day and Gandhi Jayanti are celebrated with pride and observed with high spirit of patriotism and commitment. The younger generation is briefed on how modern India came into existence through the freedom struggle that earned us freedom to live with self-respect. By focusing on freedom fighters' sacrifice and their engagement, the younger generation is motivated to serve the nation. Gandhi Jayanti is also celebrated as International Day of Non-Violence as per the resolutions of the UN General Assembly. Activities include prayer meetings, commemorative ceremonies in different departments/study centres, in addition to a general programme where all students and employees attend. Azadi ka Amrit Mahotsav is celebrated in all Departments/Units. All the above mentioned programs are also extended to adopted villages of the University by involving various village associations and government bodies.

**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. The**

All of the above

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

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The University celebrates national and international commemorative events. Study Centres/Chairs propagate the ideas/teachings of important social reformers/thinkers by marking anniversaries. International commemorative days like Women's Day, Yoga Day, Sports Day, Water Day etc. are also celebrated. With the recently-introduced sports policy, sports occupies a vital pace with each department taking part in Inter-departmental sports events and all participating on Sports Day. Sports achievers are honoured to motivate and encourage students. National Science Day is celebrated on 28 February and includes a scholarly lecture by an eminent scientist/researcher on the latest developments in science and technology. Environment Day was celebrated on 5th June under the theme 'Ecosystem Restoration'. 'One Student-One Tree' is being implemented on campus. Rational utilization of water, recycling of used water, solar energy systems, ban on plastics and "paperless office" are emphasized. Yoga Day is celebrated on June 21 to signify the importance of yoga for stress-free daily life. Staff and students are encouraged to avail services by the Yoga Study Centre. Youth day is celebrated on 12th January. A lecture by an expert on responsibility of youth and their accountability towards society is arranged followed by cultural programs. In addition, Swarnim Vijaya Diwas, Martyrs' Day, Constitution day, National Integration Day etc are also commemorated.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>

## 7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format



provided in the Manual

**Campus Bird Count (CBC) conducted as part of Bird Count India's 'Great Backyard Bird Count': Documenting biodiversity and creating awareness**

**Objectives:**To conduct campus-wide bird count, create awareness on habitat sustainability and conservation, assess ecosystem health with bio-indicator species

**Context:**Mangalore University conducts CBC on the specified date given by the Bird Count India during February to gather information about diversity, distribution, frequency of bird species as bio-indicators of ecosystem health. Situated between West-coast and Western-Ghats, it provides stop-over habitat for migrants and foraging/nesting habitats for residents.

**The Practice:**During 2021, CBC was held from 12th-15th February. Point-count surveys and Trials (area searches) at representative habitats were randomly conducted. The data gathered on diversity, abundance and behavior indicate supportive sustainable methods on campus. More than 50 students, staff and research scholars and other bird enthusiasts took part in the survey.

**Evidence of Success:**Of 108 bird species, migratory - Ashy Drongo, Booted Eagle, Grey Wagtail, Indian Pitta; nocturnal - Barn Owl, Spotted Owlet, Nightjars (Savanna, Indian and Jerdon's) and Sri Lanka Frogmouth; new/rare - Yellow-billed Babbler, Green Sandpiper and Grey-necked Buntings were recorded. Nest and nestlings of House Crow, Bronzed Drongo, and prey catching by Shikra, Indian Nightjar were observed.

**Weblink:** <https://mangaloreuniversity.ac.in/iqac-721-best-practice-implemented-institution>

### **7.3 - Institutional Distinctiveness**

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

**Towards building a socially-sensitive, humane, inclusive society:**

Mangalore University is located in a predominantly rural/semi-urban setting, making it uniquely poised to reach the unreached in the surrounding villages and become a platform for rural students to pursue higher education. By adopting neighbouring villages, the University maintains a close liaison through the conduct of

programmes such as health awareness, electoral awareness, importance of hygiene in day-to-day life, common diseases and remedies. Training programmes on supplementing farmers income through ornamental fish farming and other agro-related programs are also conducted. Efforts to solve issues related to water scarcity, non-availability of medical assistance, physical and mental disability issues, inability to understand government schemes etc., are done with the support of government agencies and a few NGOs. All these programs were conducted with the active involvement of University students. Students have conducted socio-economic surveys on different aspects of rural life and its vulnerabilities as part of their curriculum. Blood donation camps, medical camps, legal aid/awareness etc. are also conducted. The University has adopted ten government schools in the neighbourhood and supported with required infrastructure for classrooms and playgrounds. Special talks by young faculty members are also arranged for rural children to groom them to succeed in the present-day competitive world.

Weblink: <https://mangaloreuniversity.ac.in/731-%E2%80%93-performance-institution-area-distinct-its-priority-and-thrust>

### 7.3.2 - Plan of action for the next academic year

Mangalore University has the vision for creating an atmosphere to address global and regional challenges through higher education. Systematic plans are being made to pursue academic goals for the needy in a congenial ambience. With the NEP-2020 being implemented from UG, appropriate preparations are planned to be made for the PG programs under the scheme. Effective implementation of the programs would lead to graduates with required skill sets, core subject competencies, along with wholistic personality development required for nation building. Emphasis will continue to be given for utilizing the Incubation Centre to encourage start-ups and conduct skill development programs. The university has its own plan to step up the green base and eco-friendliness of the campus by planting more fruit-bearing saplings. To reduce the Carbon foot print on campus, a pollution-free local conveyance system is envisaged. Collaborative research will be strengthened with greater participation of national and international institutions. Basic infrastructure needed for teaching and research will be further upgraded based on the demands of the programmes. The proposed Advanced Research Centre at Belapu is being constructed with dedicated buildings for teaching-learning, research labs, administrative offices, and quarters for both teaching and administrative staff.

