Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 0

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
List of project and grant details	[View Document]()

3.1.2 Percentage of teachers recognised as research guides at present

Response: 1.68

3.1.2.1 Number of teachers recognised as research guides

Response: 02

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0

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

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

Institution is located in an eco friendly campus and management encourages staff and students to carry out

research projects that give practical solutions to problems which are helpful to the society. The college has R & D center which encourages the students and the faculty for research oriented career growth.

We aim to work on three areas

- Promote start up culture through interventions at Pedagogical, Co-curricular and Social level.
- Implement Start up policy and support through Entrepreneur-in-Residence program, provide Initial Hand Holding Support, Mentoring, Infrastructure, Resources Support etc.
- To match the requirement of industry allied areas of current technologies, the R & D committee has framed some objectives and initiatives.

Objectives and Initiatives of R&D Center

- Explore research culture of societal relevance among faculty members and students that encompasses teaching and utilizes its linkages with the outside world of Academia and Industry.
- Motivating faculty to undertake major and minor research projects.
- Creating awareness towards Intellectual Property Rights (IPR).
- Enhance interactions among researchers to cater Interdisciplinary developments.
- The Institutions encourages the faculty and students to participate and present research papers at national and international conferences.
- Providing incentives to faculty on their findings & publications in reputed journals/conferences and also for obtaining research projects from the government/ non-government agencies.
- Encourage faculty members to pursue Ph.D. to enable them of high standing and proven competence.
- Latest research articles, methodologies, recent advancements are shared among the students.
- Organizing industrial visits to the students to obtain the complete awareness on the current area of research development.
- The students are encouraged with cash prizes for creative ideas in developing projects.
- The Institution encourages faculty members and students to participate in various technological programs and contests where the Industrial experts give live demos and hands on experience on research and project works at MSS Digital Summit every year.
- The Institution collaborates with R&D centers of industries in India and abroad.

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 64

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
12	12	12	14	14

File Description	Document
List of workshops/seminars during the last 5 years	[View Document](#)

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: No

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: No

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 1.5

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 3

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

Response: 2

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	[View Document](#)

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

Response: 1.36

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

2018-19	2017-18	2016-17	2015-16	2014-15
32	36	57	16	16

File Description	Document
List of research papers by title, author, department, name and year of publication	[View Document](#)

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

Response: 0.79

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

2018-19	2017-18	2016-17	2015-16	2014-15
9	18	19	28	17

File Description	Document
List books and chapters in edited volumes / books published	[View Document](#)

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

Miracle Educational Society Group of Institutions (MES) excels not only in academics but also in other extension activities. The NSS unit with a total strength of 100 members of the college actively takes part in various activities organized by the Government activity calendar to impart and sensitize students on social issues. The unit works by addressing issues related to neighborhood community for organizing different social service and community development programmes. Faculty coordinators and student members involve themselves in activities throughout the year. The unit gives parcel of significance to holistic development of students and have sorted out numerous network development activities since the inception. The institution finances NSS Unit recognized by JNTUK, Kakinada. NSS unit organizes special camps every year in nearby adopted villages to promote digital literacy, health care and monitoring traffic awareness, plantation etc., A Senior faculty is assigned as Program-Officer with the support of coordinators for the NSS Unit to implement and monitor the activities.

- MES conducts regular awareness programs on Anti-ragging in collaboration with local Police and Judicial authorities, to make the campus a ragging free zone.
- Organizes Career guidance programmes at nearby schools and colleges to create awareness among the students for choosing their Career-oriented courses after completion of their study.
- Developing leadership qualities among the students and unemployed youth through the camps on Health awareness, Blood Donation and literary programs.
- Organizing awareness programmes on Road safety rules and distributing brochures on wearing helmet, seatbelts, drunk and drive, minors' driving etc.
- Creating awareness and remedial measures on seasonal diseases by printing and distributing relevant pamphlets among the public.
- Distributes fruits and bread to the orphanages on the occasion of National Importance days.
- Supported the victims of Hud-Hud cyclone by providing rehabilitation needs.
- Visiting a few villages in and around Bhogapuram to educate the people for better livelihood in many aspects.
- Conducted awareness programs on voter enrollment and also enrolled the eligible voters in the institutes and villages around Bhogapuram.
- Every year Blood donation camps are being organized in collaboration with various other organisations like Indian Red Cross Society, Rotary Club, AS Raja Blood Bank etc.,
- Conducted awareness campaign about effective utilization of water resources.
- Organizing awareness programmes in neighbouring villages on the consumption of harmful substances like liquor/alcoholic drinks, anti-tobacco and drugs.

Swachh Bharat, damaging effects of environmental pollution, rain water harvesting, recycling of sewage water, illiteracy, immunization, Clean and Green, Plantations are some of the testimonial programmes are being implemented by NSS unit by inviting social workers and environmentalists to the college.

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

Response: 15

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

2018-19	2017-18	2016-17	2015-16	2014-15
2	5	2	3	3

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

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 70

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
11	16	16	11	16

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

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 48.61

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
505	631	804	293	724

File Description	Document
Average percentage of students participating in extension activities with Govt or NGO etc	<u>View Document</u>
Any additional information	<u>View Document</u>

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 50

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
10	10	10	10	10

File Description	Document
Number of Collaborative activities for research, faculty etc	<u>View Document</u>
Copies of collaboration	<u>View Document</u>

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 47

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2018-19	2017-18	2016-17	2015-16	2014-15
15	1	15	1	15

File Description	Document
Details of functional MoUs with institutions of national, international importance,other universities etc during the last five years	[View Document](#)