

Research at IASE Deemed to be University

1. Establishment of Institution Innovation cell as per the direction of MHRD letter dated 17.10.2018.

- Institute Innovation Cell has been established vide office order no. IASE/DU/SRDR/19/85 dated 30-07-2019
 - **Certification**
 - Institutions Innovation Council and AICTE has issued a certificate mentioning that the IIC of IASE(DU) had undertaken various activities prescribed by Innovation Cell, MHRD to promote Innovation and Start-up in campus during the IIC calendar year 2018-19 & 2019-20
 - **Training**
 - Following Four faculty members have participated in training for Innovation Ambassadors, organized by AICTE/MHRD on 16-17 January, 2020
 1. Mr. Mitesh Choudhary
 2. Mr. Arun Kumar
 3. Dr. Devendra Singh
 4. Mr. Dinesh Kumar

2. Establishment of Incubation Center vide letter no IASE/DU/SRDR/19/82 dated 30 July 2019.

Composition

1. Sh. Mitesh Choudhary, Convener
 2. Dr. Devendra Singh
 3. Mr. Dharamaram Moond
 4. Dr. Narendra Bhatt
 5. Mr. Gajendra Singh Rathore
- a. A sum of Rs. 25 lakh allocated for the center and a seed money of Rs. 1,00,000.00 has been sanctioned to initiate the activities of the center vide order dated 30 Sept. 2019

- b. Research proposals were invited for financial assistance & following projects have been received and are under process.

S.No.	Principal Investigator	Title of the Project	Amount Sanctioned
1	Mitesh Choudhary	Waste Heat Treatment from wood seasoning plant	₹ 3,25,000
2	Abhimanyu Chauhan	Experimental of Investigation of Mechanical Properties welding of Austenitic Stainless Steel (ASS) using Tig on Lathe	₹ 2,30,000
3	Lalit Kumar Gaur	Synthesis and characterization of metal oxide nano materials and their composite nanostructures for photo-catalytic activity and photo anode applications in dye sensitized solar cells (DSSC)	₹ 3,50,000
4	Dr. Devender Singh	ACC deaminase producing plant growth promoting bacteria (PGPB) in Alleviation of stresses and Enhancement of Growth and Yield of Crop Plants	₹ 2,50,000
5	Dr. Vikram Rathore	Plasmonics: Alternative of Electronics and Photonics by Tunable Innovative Technology	₹ 3,50,000

3. Establishment of Research Cell (vide order

IASEDU/SRDR/ACAD/2019/PB.No.544 dated 18-10-2019).

a. Composition

1. Prof. Devendra Mohan, Pro VC (In-charge)
2. Prof. Manisha Verma, Dean, Faculty of Education
3. Prof. K.Rani Lakshmi, Dean, Faculty of Humanities and Social Sciences
4. Prof. Vikram Rathore, Dean, Faculty of Engineering and Technology
5. Dr. Avinash Pareek, Director, Research (Member Secretary)

b. Objectives of the Cell

- Research Publication in quality journals including journal mentioned in UGC care list

- Submission of Research Proposal for financial assistance.
- Research Collaboration with other Institutions.

C. Activities under taken

1. A workshop on Research Project Writing was organized from dated 01-02-2019 to 04-02-2019 vide order no IASEDU/SRDR/19/1242 dated 29-01-2019
2. A summer school was organized for all the faculty members from 16-05-2019 to 31-05-2019 for quality research (Vide office order no. IASE-DU/SRDR/19/1475).
3. Following 13 Projects for financial assistance have been submitted to IMPRESS-ICSSR/ DST/SER

S.No.	Name	Project Title
1	Dr. Anand Shrivastava	अनुसूचित जनजातियों में सामाजिक गतिशीलता (राजस्थान की भील जनजाति के विशेष संदर्भ में)
2	Dr. KailashPareek	इलेक्ट्रॉनिक युक्ति और सूचना तकनीकी की कृषि एवं ग्रामीण विकास में योगदान
3	Dr. Ranjita Baid	किशोर विद्यार्थियों के मानसिक स्वास्थ्य एवं नैतिक निर्णय पर ध्यान एवं प्रार्थना सभा के प्रभाव का अध्ययन
4	Sunita Saraswat	योग निद्रा का विद्यार्थियों के स्वास्थ्य पर पड़ने वाले प्रभाव का अध्ययन
5	Prof. K.Rani Lakshmi	Empowering marginalized women through soft & ICT skill development programs in Sardarshahr City: An action based research
6	Dr. Sunil Kumar	Comparative study on Organic & Existing Agriculture practices in Churu and Ganganagar district of Rajasthan
7	Dr. Avinash Pareek	किशनगढ़ के पर्यटन स्थलों का ऐतिहासिक एवं सांस्कृतिक अध्ययन
8	Dr. Vikram Rathore	A Study on the impact of online learning SWAYAM courses on academic excellence in

		Thar Desert Region
9	Dr. Vikram Rathore	The effect of skill development and Entrepreneurship for Women empowerment in Thar Desert region
10	Bhaskar Mishra	Social and wild life of Thar Desert through the lens
11	Mitesh Choudhary	Web Application to promote Handicraft Technology of Sardarshahr Region
12	Prof. K.Rani Lakshmi (PI) Ms. Deepika Singh (Co-PI)	Socio Cultural Practices and Prevalence of nutritional anemia among women of Sardarshahr Tehsil (Churu), Rajasthan (Submitted in DST)
13	Dr. Dinesh Chandra Maurya	Study of Dark energy and scalar field in cosmology (Submitted in Science and Engineering research board)

4. A sum of Rs. 25 lakh has been allocated for financial assistance to the Research Projects of teachers during 2019-20 (BoM meeting dated 09.03.2019)

- Following projects have been sanctioned :

PI	Title of the Project	Amount
Dr. Sunil Kumar	जैविक व अजैविक खादों का पादपों की वृद्धि पर प्रभाव का अध्ययन	₹ 1,92,000
Himanshu Grover	कृषि में महिलाओं की भूमिका	₹ 1,28,000
Dr. K. Rani Lakshmi Deepika Singh	Inculcation of Universal Human Values among Students through Schooling: A Comparative Study of GVM Group of Schools and Government Schools in Sardarshahr	₹ 2,15,000
Dr. Sarita Sharma	A study of the effect of Environmental Education on Awareness, Behaviour and Ethics of pupil teachers	₹ 1,20,000
Dr. Devendra Singh Bhaskar Mishra	Study of Avian Diversity in Churu District of Thar Desert through the Lens	₹ 2,70,000

5. Interfaith Foundation agreed to grant Rs. 3 Lakh for 3 fellowships of Rs. 1 lakh each to work on Religious Harmony Projects.

- The applications have been invited

6. Quarterly Round Table Meetings of the University teachers and renowned experts of various fields shall be conducted to scale up in house capacity and about the recent trends in the field of Research under the leadership of Prof. M.M. Verma, Retd. Prof. of Delhi University (one of the chair under existential Harmony).

- First Meeting was held on 16.06.2019 and Second Quarter Meeting on 24.11.2019

4. Areas of research :-

- i. Contemporary education philosophy in context of Peace and Harmony.
- ii. Chronological development of women education.
- iii. Study on teacher education curriculum in global context.
- iv. A study on role of women in the socio economy of the Thar Desert.
- v. Socio Cultural history of villages of Sardarshahr tehsil.
- vi. Study of Traditional water bodies of Thar desert with special reference to their conservation.
- vii. Analytical study of causes of Pseudo cultures and their effect on the adolescent students
- viii. Floral diversity of medicinal plants of thar desert and their conservation.
- ix. Study of City sewage for its optimum utilization.
- x. Study of dark energy and scalar field in cosmology (Mathematical Science)
- xi. Unconventional energy resources development and conservation and use of solar energy to operate machines.
- xii. Prospectus of Fresh water pearl culture in Rain water harvesting structures of Sardarshahr.