



Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY [ARI-C-25464]

List all the departments / centers / units are part of innovation and startup ecosystem of the institite

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Benificiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
Civil Engineering Department	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	521	30	17
Computer Science Engineering Department	Academic Department with lab facility	Computer Science	UG / PG / PhD	Technical	533	30	23
Electrical Engineering Department	Academic Department with lab facility	Electrical Engineering, Electronics Engineering, Instrumentation Engineering	UG / PG / PhD	Technical	521	26	14
Electronics and Communication Engineering Department	Academic Department with lab facility	Electronics and Communication Engineering	UG / PG / PhD	Technical	533	26	15
Mechanical Engineering Department	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	521	34	26
Information Technology Department	Academic Department with lab facility	Information Technology	UG / PG / PhD	Technical	480	20	10

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	Yes	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC201810968
Trained Innovation Ambassadors at HEI	Yes	Not Required
Participation in Smart India Hackathon (SIH)	Yes	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizin g Departm ent / Centre / Student	Program Start Date	Program End Date	Program Duration(i n Days)	Program Location	Internal Participa nts (Student)	Internal Participa nts (Faculty)	External Participa nts (Student)	External Participa nts (Faculty)	Total Number of Participa nts	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
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Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

					Body Name											
1	youtube as a money making tool	Entrepre neurship/ Startup	Awarene ss	Student Lead Activity	Electrical Engineeri ng Departm ent	18-02-20 20 00:00:00	23-02-20 20 00:00:00	6	Within Campus	40	4	10	2	56	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	No
2	creating your brand	Entrepre neurship/ Startup	Worksho p	Student Lead Activity	Electroni cs and Communi cation Engineeri ng	03-02-20 20 00:00:00	08-02-20 20 00:00:00	6	Within Campus	40	4	5	1	50	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	No
3	diversity and entrepren uers	Innovatio n	Worksho p	Student Lead Activity	Mechanic al Engineeri ng Departm ent	09-03-20 20 00:00:00	14-03-20 20 00:00:00	6	Within Campus	38	4	12	3	57	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees)	No

Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizin g Agency / Institute Name	Organizin g Agency Type	Program Start Date	Program End Date	Program Duration(i n Days)	Participa nts (Students )	Participa nts (Faculty)	Total Number of Participa nts	Awards/R ecognitio ns/Achiev ements	Award / Position / Recogniti on Secured	Title of Innovatio n / Start-up Secured the Award / Recognition	Had institute spen either from own received fund towa delegation to pa represent the activ	resource/ ards sending articipate /	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	art of networkin g	IPR	Training	wadhwan i foundatio n	Non- Govt. Agencies	02-03-20 20 00:00:00	07-03-20 20 00:00:00	6	52	4	56	No	1		TotalTotal Expense Amount Incurred by Institute? (In Rupees)	2000	No

List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centr e/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	Entrepreneurship	IPR, Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Bachelor	Electronic and communicati on engineering	10-06-2020	10-12-2020	184	Online	60	42

LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

Srno	Title of the Training Program	Program Theme	Type of Course	Course Offering Department/Centre/ Unit Name	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course ( Minimum 30 Contact hours)
1	Onboarding Session in Mechanical Engineering	Innovation	Employment Generation Training Programs	Electronics and Communication Engineering Department	02-12-2020	07-12-2020	6	Offline	42	30

List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)

Smo	Faculty Name	Departn	nent/Centre/Unit Name		Designation	Do you have a deg	ree in I&E & IPR?	Had the faculty received training on I&E IPR during AY 2019-20	
1	Mohd Abdul muqeet	Electrical Enginee	ering Department	Associate	Professor	No		Yes	
	Training Name	Training Theme	Type of Course	Training Agency Name	Training Agency Type	Training Start Date	Training End Date	Training Duration (in Days)	Mode of Delivery

List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus

Srno	Name of Student Club	Type of Club	Year of Establishment	Type of Facilities Available at the Club	Student Club with Access to Other I&E Facilities at the HEI	No of Programs/Activiti es Organized by the Student Club During the AY 2019-20	Student Club Team Lead Name	Student Club Team Lead Email	Student Club Team Lead Phone
1	E-cell	Startup Club	2003	Co-working Space	Innovation Labs	22	ifrahur rahman	ifrahur98@gmail.com	8332935941

List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

Srno	Name of Pre- Incubation Centre	Type of Facility	Year of Establishme nt	Type of Facilities Available at the Centre	Pre-Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Pre- Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the Pre-Incubation Unit Provided any Funding Support for Idea/Prototype/Innovati on Development and implementation during the Financial Year 2019-20	Had institute Generated Income either from Services Offered by Pre- Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Pre-Incubation Centre/Facilities?
1	MJ-IIC	Tinkering Lab	2019	3D Printing & Prototype Equipment	Innovation Labs,Student Clubs	Innovation Labs,Studen t Clubs	Facility Incharge Name  Facility Incharge Email  Facility Incharge Email  Facility Phone  Md Arifudd in Sohel  arif.soh el@mjc ollege. ac.in  988540 7094	05	Yes	No	No

#### List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

2	E-Cell MJCET	Startup Cell	2003	Co-working Space	Incubation Unit	Incubation Unit	Facility Incharge Name  Facility Incharge Facility Incharge Email  Facility Incharge Email  Facility Incharge Phone  Pacility Incharge Phone  Pacility Incharge Phone	10	Yes	No	No
3	NEN wadhwani- MJCET Group	Innovation Centre	2007	Co-working Space	Incubation Unit,Student Clubs	Incubation Unit,Student Clubs	Facility Incharge Name  Facility Incharge Email  Facility Incharge Email  Facility Incharge Phone  Facility Incharge Phone	10	Yes	No	No

List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

Srno	Name of CoE Facility	Year of Establishment	CoE with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with CoE, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Manag ement team Strength Engaged at the Facility	Had the CoE Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by CoE Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of CoE Centre/Facilities?
1	MJ-IIC	2019	Student Clubs		Facility Incharge Name  Facility Incharge Email  Facility Incharge Email  Facility Incharge e.ac.in  Facility Incharge Phone  Md Arifudd in Sohel  arif.so hel@m jcolleg e.ac.in	05	No	No	No

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

Srno	Name of Incubation Facility	Year of Establishment	Incubation with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with Incubation Unit, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Manag ement team Strength Engaged at the Facility	Had the Incubation Facility Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Incubation Centre/Facilities?	Had institute spent expenses either from own resource/received fund towards Establishment/Operation of Incubation Centre/Facilities?
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		Name Hussai ny  Facility Incharge Email Hacility Incharge Phone Hussai nysf@ micolle ge.ac.i n  Facility Incharge Phone				
Source of G	rant / Fund	Agency	Name	Agency	Туре	/ Funds Received by Incubat kists in Campus (In Rupees)

Srno	Name of Innovation Park/Research Park Facility	Year of Establishment	Innovation Park / Research Park with Access to Other I & E Facilities at the HEI	Name of the Funding Schemes Available with Research/Innovat ion Park, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Manag ement team Strength Engaged at the Facility	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by Research Park/Innovation Park?	Had the Research Park/Innovation Park Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
1	MJ Hub	2018	Student Clubs		Facility Incharge Name Dr Arifudd in Sohel	5	Yes	No	No
					Facility arif.so hel@m jcolleg e.ac.in				
					Facility 98854 Incharge 07094 Phone				

## List the IPR Cell/Technology Transfer Centre Facilities at the HEI

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details	Total Nos of Dedicated Executive/Manag ement team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
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List the IPR Cell/Technology Transfer Centre Facilities at the HEI

1	MJ-IIC	2019	Innovation Park/Research Park	Facility Syed Ferhat Incharge Hussai ny	07	No	No	No
				Facility hussai nysf@ Incharge mjcolle Email ge.ac.i				
				Facility Incharge Phone 92462 92204				

Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

Srno	Name of the Faculty	Designation of the Faculty	Mentor Expert Area	Years of Experience in Mentorship (In Years)
1	Mohd Abdul muqeet Associate Professor		Entrepreneurship/Startup Development	3
	Name of Idea/Innovation/ St	artup Mentored	Mentoring Setup [Within (or) Outside] HEI	CIN (in case it is Startup)
	Youtube as money making tool		Within	

Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

5	Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship
1		wadhwani foundation	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	Unstructured Mentorship

# List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

Srno	Name of the Innovation Generated with the Support of HEI	Type of Innovation	Nature of Innovation	Name of the HEI Supported Innovation Development	Innovation Developed by	Stage of Innovation /Stage of TRL it started receiving the Support during the FY 2019- 20	Stage of Innovation /Stage of TRL reached as on 31st March 2020	Status Pre- Incubation/Inc ubation Support to Innovation as on 31st March 2020	Had the Innovation Received any Recognition at State, National, International Level Programs during the financial period 2019-20	Had the Innovation Converted into Venture/Startu p/SME Unit during the financial period 2019- 20	Had Centre/institut e provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Idea / Prototype / Innovations Development during the financial period 2019-	Had the Innovations raised any Seed fund/Angel Investment/VC during the period of receiving pre-incubation/inc ubation support at your Pre-incubation/inc ubation or HEI during the financial period 2019-20	Had the Pre- incubation/Inc ubation Centre/HEI received any income/revenu e from Idea/Prototype /Innovations for the pre- incubation/inc ubation support and the services offered by Pre- incubation/inc ubation or institute during the financial period 2019
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	hussainysf@mjcollege.ac.in		Male				Facu		A S Reddy
Email Contact	Email	ender	Ge		уре	Ту		Name	
No Gra nt Amo unt in Rs	No No	Innovation Development Completed	al application , technolog y available for	TRL 9 : Full commerc al applicatio , technolog y availabl for consume s.	Faculty	MJ-IIC	Technological	Product Innovation,Market- place Innovation	SOLAR POWERED SPINNING WHEEL

List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

Srno	Name of the Venture/Startup/SME Unit Established with the Support of HEI	Type of Innovation of Venture/Startup/SME Unit	Nature of Innovation	Name of the Pre- Incubation/In cubation Unit of HEI Supported Innovation Development	Venture Founded by	Venture Registerd as	Year of Registrati on	What is the current status of Pre- Incubation/Incubation Support to Venture/ Startup/ SME Unit as on 31st March 2020?	Had the Venture Received any Recognition at State, National, International Level Programs during the financial period 2019- 20?	Had Centre/institu te provided any Financial support (either own resource or fund received from agencies) in terms of Seed Grant/Fund Support to Venture establishmen t during the financial period 2019- 20	Had the venture/startu p raised any Seed fund/Angel Investment/V C during the period of receiving pre- incubation/inc ubation support at your Pre- incubation or HEI during the financial period 2019- 20	Had the Pre- incubation/In cubation Centre/HEI received any income/reven ue from venture/startu p for the pre- incubation/inc ubation support and the services offered by Pre- incubation/inc ubation or institute during the financial period 2019- 20	Has the Start-up Grown to a stage of Employment Generation to 10 Numbers or an annual Turnover to Rs. 50 Lakhs during the financial year 2019-20
1	Kings Aircon	Service Innovation	Technologica	7481	Student	Venture with Corporate Identificati on Number (CIN) Registrati on	2017-18	Graduated from the Incubation unit	Age ncy and hw a	No	No	No	No

Name	DIN number	Туре	Gender	Email	Contact
Adnan	36AOYPH7887N1ZK	Student	Male	mdimmo@gmail.com	7989542526

List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

Smo	Collaborated Agency Name	Collaborated Agency Type	Purpose of Collaboration	Type of Support Offered	No. of Student Projects/ Ideas / Innovation / Startups from the HEI get benefitted through this partnership	Date of MOU / Agreement Signed on
1	Wadhwani foundation	Non-Govt. Agencies	Providing (or) Receiving Mentor and Handholding Support to Support I&E Activities	Mentoring,Networking	20	05-08-2019

List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

Srno	Title/Name of IP(Copyright & Designs Only)	Type of IP(Copyright & Designs Only)	IP(Copyright & Designs Only) Registration Number of Copyright/Design	Application Level	Date of Copyright / Design IP Filed/ Published (Year, Month)	Copy of receipt / application screenshot [PDF or Image	Current Status of IP(Copyright & Designs Only) as on 31st March 2020	Has this IP(Copyright & Designs Only) been Commercialized/Tran sferred to Industry/Startup/Socie ty?
1	LOW COST RECONFIGURABLE SMART SWITCH FOR HOME AUTOMATION AND SECURITY		202041010766	2020 - 03	Uploaded	Filed	Yes	
	Department/Centre Name							

List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

Electrical Engineering De

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	SOLAR POWERED SPINNING WHEEL	319528	National	2019 - 08	Uploaded

List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

Srno	Title/Name of IP		IP Registration Number	Current Status of IP as on 31st March 2020	Copy of IP screenshot		
1	PROCESS AND SYSTEM FOR EFFICIENT BIODIESEL PRODUCTION	PatentsHoldByInnovations		201941054795	Published	Uploaded	
	Applicant Name		Ар	oplicant Type	Start-up/Innovator Name		
	Muffakham Jah College of Engineering and technology		Incubatee Innovator		PROCESS AND SYSTEM FOR EF		

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

Srno	Name of Technology Licenced / Transferred / Commercialized	Technology Type	Type of Transfer	Patent / Licence Number	Patent / Licence Holder	Centre / Department of Origin of Licence	Licence Transferred to	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Total Annual Income Received from Technology Transfer/Licensing (In Rupees)
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### List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

1	A PNEUMATIC QUADRUPED ROBOT AND A METHOD OF PREVENTING	Non- IP/Non- Patented Technology	One-time transfer/Licen sing	201941054798	Patent/Licence Holder name (Institute Co-	Ishrath Mira Mirzana	Mechanical Engineering Department	Licence Transferred to	Institute	No	
	ACCIDENTS THEREOF	reclinology			ownership is Must)			Name of Industry/Start-	Muffakham Jah College of		
					Contact number of license holder	9014876704		up/Agency Received License/Techn ology	Engineering and Technolog		
					Email of Licence holder	ishratmirzan a@mjcolleg e.ac.in		Address of	Road no 3 mount pleasant banjara hills		
						Female		Agency	hyderabad Telangana 500155		
					Gender			Contact Number of Agency	9246292204		
								Email of Agency	hussainysf @mjcollege. ac.in		

#### **Declaration**

To, The ARIIA Committee MHRD's Innovation Cell New Delhi

#### Joint Declaration by the Head of the Institute and Nodal Officer

#### Dear Sir,

Herewith, myself Dr. Basheer Ahmed (Head of Institute) and Dr. Syed Ferhathullah Hussainy (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute

Dr. Basheer Ahmed Head of the Institution, Hyderabad, Telangana Nodal officer

Dr. Syed Ferhathullah Hussainy Nodal Officer, Hyderabad, Telangana

Responsibility for accuracy and authenticity of data lies with the concerned institution.