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

Institute Name: MAR BASELIOS INSTITUTE OF TECHNOLOGY AND SCIENCE [ARI-C-11564]

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

Srno	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)
1	IEDC MBITS	Pre-incubation unit	Orientation Program about Innovation and Entrepreneurship Development	UG / PG / PhD	Both	300	5	5
2	IEDC MBITS	Pre-incubation unit	IDEA PITCHING COMPETITION	UG / PG / PhD	Technical	36	9	0
3	IEDC MBITS	Pre-incubation unit	DECENTRALIZED INDIA CHAPTER Blockchain	UG / PG / PhD	Technical	62	5	2
4	IEDC MBITS	Pre-incubation unit	INNOVATION DAY	UG / PG / PhD	Both	100	5	5
5	IEDC MBITS	Pre-incubation unit	WORKSHOP ON MOBILE APPLICATION DEVELOPMENT	UG / PG / PhD	Both	40	5	2
6	IEDC MBITS	Pre-incubation unit	SKILL SHARE C++	UG / PG / PhD	Technical	40	2	2
7	IEDC MBITS	Pre-incubation unit	PRODUCT PROTOTYPING WORKSHOP	UG / PG / PhD	Technical	30	5	0
8	IEDC MBITS	Pre-incubation unit	TRENDS IN AI AND ROBOTICS	UG / PG / PhD	Technical	100	10	0
9	CIvil Engineering Department	Academic Department with lab facility	National Conference on Innovative	UG / PG / PhD	Technical	44	55	0
10	CIvil Engineering Department	Academic Department with lab facility	LSG-Rebuiled Kerala- Survey of Roads	UG / PG / PhD	Technical	27	11	0
11	Electronics and communication Engineering	Academic Department with lab facility	Arduino Workshop	UG / PG / PhD	Technical	0	4	0
12	Electronics and communication Engineering	Academic Department with lab facility	International Seminar on Patent and IPR	UG / PG / PhD	Technical	86	5	0
13	Electronics and communication Engineering	Academic Department with lab facility	IEEE and it's benefits	UG / PG / PhD	Technical	151	13	0

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

14	Electronics and communication Engineering	Academic Department with lab facility	Smart Grids	UG / PG / PhD	Technical	86	8	0
15	IQAC	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	UGC NAAC TEACHING LEARNING EXCELLENCE	At all level	Both	0	49	0
16	Electrical and Electronics Engineering	Academic Department with lab facility	A workshop on "Power System Lab"	UG / PG / PhD	Technical	0	3	3
17	Electrical and Electronics Engineering	Academic Department with lab facility	Seminar-IEEE And its benefits	UG / PG / PhD	Technical	80	12	3
18	IEDC MBITS	Pre-incubation unit	Skill Share Program	UG / PG / PhD	Technical	100	0	0
19	MBITS	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	THE FUTURE OF ENGINEERING EDUCATION	UG / PG / PhD	Both	235	430	5
20	IQAC MBITS	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	HOW TO A WRITE A RESEARCH PAPER?	UG / PG / PhD	Technical	53	125	0
21	Science and Humanities MBITS	Academic Department with lab facility	HOW TO GET RESEARCH GRANTS FROM UGC, AICTE (Minor and Major Projects Application Process)	UG / PG / PhD	Technical	100	900	0
22	IQAC MBITS	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	COMMUNICATIVE ENGLISH SKILLS FOR ENGINEERING STUDENTS AND FACULTY	At all level	Technical	450	500	0
23	CIVIL ENGINEERING	Academic Department with lab facility	ROLE OF CIVIL ENGINEERS FOR SUSTAINABLE DEVELOPMENT	UG / PG / PhD	Technical	400	500	0

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	No	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	NO	Not Required
Trained Innovation Ambassadors at HEI	NO	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

Section 1 > i : 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	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	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?
1	WORKSHOP ON PYTHON	Entrepreneurship/Startup, Innovation	Orientation Session	Institute Lead Activity	IEDC	02-04-2019 00:00:00	03-04-2019 00:00:00	2	Within Campus	300	10	1	0	311	Total Expense Amount Incurred by Institute to Organise the Program (In Rupees) 15000	No
2	ORIENTATION PROGRAM	Entrepreneurship/Startup, Innovation	Orientation Session	Institute Lead Activity	IEDC	21-08-2019 00:00:00	21-08-2019 00:00:00	1	Within Campus	300	5	0	0	305	No	No
3	IDEA PITCHING	Entrepreneurship/Startup, Innovation	Ideation	Institute Lead Activity	IEDC	20-09-2019 00:00:00	20-09-2019 00:00:00	1	Within Campus	36	5	0	0	41	No	No
4	DECENTRALIZED INDIA CHAPTER	IPR, Entrepreneurship/Startup, Innovation	Seminar	Institute Lead Activity	IEDC	10-10-2019 00:00:00	10-10-2019 00:00:00	1	Within Campus	62	3	0	0	65	No	No
5	INNOVATION DAY	Entrepreneurship/Startup, Innovation	Orientation Session	Institute Lead Activity	IEDC	15-10-2019 00:00:00	15-10-2019 00:00:00	1	Within Campus	60	10	0	0	70	No	No
6	WORKSHOP ON MOBILE APPLICATION DEVELOPMENT	Entrepreneurship/Startup, Innovation	Workshop	Institute Lead Activity	IEDC	16-10-2019 00:00:00	17-10-2019 00:00:00	2	Within Campus	6	1	24	0	31	No	No
7	SKILL SHARE C++	Innovation	Training	Student Lead Activity	IEDC	14-02-2020 00:00:00	14-02-2020 00:00:00	1	Within Campus	20	0	0	0	20	No	No
8	TRENDS IN AI AND ROBOTICS	Entrepreneurship/Startup, Innovation	Mentoring Session	Student Lead Activity	IEDC	14-02-2020 00:00:00	14-02-2020 00:00:00	1	Within Campus	120	2	0	0	122	No	No
9	PRODUCT PROTOTYPING WORKSHOP	Innovation	Workshop	Institute Lead Activity	IEDC	18-02-2020 00:00:00	19-02-2020 00:00:00	2	Within Campus	30	0	0	0	30	No	No

Section 1 > ii : 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	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	IEDC SUMMIT PRECURSOR EVENT AND PITCH COMPETITON	Entrepreneurship/ Startup	Ideation	Kerala Startup Mission (KSUM)	Govt. Agency (State)	05-08-2019 00:00:00	05-08-2019 00:00:00	1	3	0	3	No	---	---	No	No
2	HUDDLE K ERALA 2019	Entrepreneurship/ Startup	Start-up Conclave	KSUM Kerala Startup Mission	Govt. Agency (State)	27-09-2019 00:00:00	29-09-2019 00:00:00	3	3	1	4	No	---	---	No	No
3	IEDC SUMMIT 2019	Entrepreneurship/ Startup	Start-up Conclave	Kerala Startup Mission KSUM	Govt. Agency (State)	09-10-2019 00:00:00	09-10-2019 00:00:00	1	15	1	16	No	---	---	No	No
4	IEDC SUMMIT EXHIBITION	Entrepreneurship/ Startup	Exhibition	KSUM Kerala Startup Mission	Govt. Agency (State)	09-10-2019 00:00:00	09-10-2019 00:00:00	1	5	1	6	No	---	---	No	No
5	Smart India Hackathon	Entrepreneurship/ Startup	Hackathon	MHRD	Govt. Agency (Central)	08-07-2019 00:00:00	12-07-2019 00:00:00	5	5	2	7	Yes	First	FORBOTS	No	<table><tr><td>Award / Position / Recognition Secured</td><td>First</td></tr><tr><td>Title of Innovation / Start-up Secured the Award / Recognition</td><td>FORBOTS</td></tr><tr><td>Award/Recognition/Achievement Received for</td><td>Idea/Innovation/Prototype</td></tr></table>
6	Quad Torc	Entrepreneurship/ Startup	Innovation Contest	Indian Society of New Era Engineers	Non-Govt. Agencies	07-09-2019 00:00:00	09-09-2019 00:00:00	3	10	1	11	Yes	Fourth Position	Metal Heads	No	<table><tr><td>Award / Position / Recognition Secured</td><td>Fourth Position</td></tr><tr><td>Title of Innovation / Start-up Secured the Award / Recognition</td><td>Metal Heads</td></tr><tr><td>Award/Recognition/Achievement Received for</td><td>Idea/Innovation/Prototype</td></tr></table>

Section 2 > i : 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/Centre/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	Web Technologies	Innovation	Elective/Core Credit Course	Credit Course (Elective)	Computer Science and Engineerig	01-01-2020	15-05-2020	136	Offline	60	50
2	Machine Learning	Entrepreneurship/Startup, Innovation	Elective/Core Credit Course	Credit Course (Elective)	Computer Science and Engineering	01-01-2020	15-05-2020	136	Online	43	60

Section 2 > ii : List the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

No Data FIled!

Section 2 > iii : 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)

No Data FIled!

Section 3 > i : 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/Activities 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	IEDC	Innovation Club	2013	Co-working Space	Pre-Incubation Unit	6	IEDC	akhileshm765@gmail.com	6282892092

Section 3 > ii > a : 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 Establishment	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/Innovation 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?

Section 3 > ii > a : 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)

| 1 | IEDC | IEDC | 2016 | Co-working Space,Work Stations | Incubation Unit,Student Clubs | Incubation Unit,Student Clubs | Facility Incharge Name: Mahesh K M; Facility Incharge Email: maheshkm@mbits.ac.in; Facility Incharge Phone: 9447374409 | 6 | Yes | No | Yes |

Source of Grant / Fund	Agency Name	Agency Type	Total Grants / Funds Received by Pre-Incubation & Incubation Centre / Facilities exists in Campus (In Rupees)
Funding Agency	KSUM	Govt. Agency (State)	0

Section 3 > ii > b : List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

No Data FIled!

Section 3 > ii > c : List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

No Data FIled!

Section 3 > ii > d : List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data FIled!

Section 3 > ii > e : 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/Management 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?
1	IPR Cell	2019	Innovation Labs		Facility Incharge Name: Robin George; Facility Incharge Email: robingeorge@mbits.ac.in; Facility Incharge Phone: 9446789968	3	No	No	No

Section 3 > iii > a : Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

No Data FIled!

Section 3 > iii > b : Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

Srno	Name of the External Expert/Agency as Mentor	Mentor Expert Area	Type of Mentorship
1	John Mathew	Idea/Innovation Development	Unstructured Mentorship
2	Dr. V R Vaman	Idea/Innovation Development,Entrepreneurship/Startup Development,IPR Protection & Commercialization	Unstructured Mentorship

Section 4 : List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

No Data FIled!

Section 5 : List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

No Data FIled!

Section 7 > i : List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

No Data FIled!

Section 8 > ii : List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

No Data FIled!

Section 8 > iii : List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

No Data FIled!

Section 8 > v : List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data FIled!

Section 8 > vi : List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data FIled!

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. P. Sojan Lal (Head of Institute) and Mr. Mahesh K M (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.
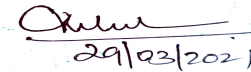
Thank you

The Head of Institute   Nodal officer

29/3/2021   29/03/2021

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Dr. P. Sojan Lal   Mr. Mahesh K M
Head of the Institution,   Nodal Officer,
Kothamangalam, Kerala   Kothamangalam, Kerala