



HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Valley Campus, Pollachi Highway, Coimbatore - 641032



REF. No.: HiCET/RC/2020-2021/ODD

Date: 10.09.2020

CIRCULAR

The Research Committee meeting for the Academic Year 2020-2021 (Odd Semester) is scheduled on 14.09.2020 in Board Room at 11.00 AM. All the members of research committee are requested to attend the Meeting.

Agenda:

- Discussion on Grants received
- Submission of proposals under Science Technology and Innovation (STI) Hubs for Development of Scheduled Caste (SC) and Scheduled Tribe (ST) Communities
- Discussion on DIT, YSFS
- Discussion on Research Seed Money Grant
- Allocation of departments for various proposals

Research Director

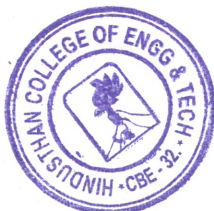
Principal

To: All the members of Research Committee

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PRINCIPAL
Hindusthan College of Engineering & Technology
COIMBATORE - 641 032





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REF. No.: HiCET/RC/2020-2021/ODD

Date: 16.09.2020

Minutes of Meeting

Name of the Meeting : Research Committee Meeting

Date and Time of the Meeting: 14.09.2020 11:00 am, Board Room

Chairperson

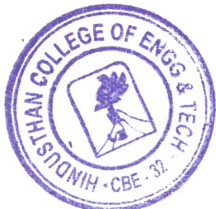
Dr.K.Karunakaran - CEO

Research Director

Dr.N.Rajkumar, Director - Research & Head of IT

Members

| S.No | Name of the Members | Designation & Department |
|------|------------------------|--------------------------|
| 1. | Dr.P.N.Magudeswaran | Dean - Academics |
| 2. | Dr.C.Sabarinathan | Professor & Head/AUTO |
| 3. | Dr.M.Seenuvasan | Professor & Head/CHEM |
| 4. | Dr.S.Shankar | Professor & Head/CSE |
| 5. | Dr.P.Vijayalakshmi | Professor/ECE |
| 6. | Dr.B.Anand | Professor & Head/EIE |
| 7. | Dr.N.P.Ananthamoorthy | Professor & Head/EEE |
| 8. | Dr.S.Saravana Sundaram | Professor & Head/BME |
| 9. | Dr.K.Siva | Professor Head/MECH |
| 10. | Dr.M.Mohanraj | Professor/MECH |
| 11. | Dr.K.Samuvel | Professor & Head/MBA |
| 12. | Dr.K.P.Uma | Professor & Head / S&H |



Meeting Minutes

- The chair person welcomed the members and informed that the following grants were received for conducting FDP, STTP in the current Academic Year 2020-2021 during the odd semester.

| S.No | Investigators/C oordinator | Title | Funding Agency | Fund Received in Rs. |
|------|---|--|-----------------------|----------------------------|
| 1 | Dr Rajeswari P Mr Karthic S Mr Krishnaraj J | Student Project Scheme | TNSCST - SPS | Rs. 22,500 |
| 2 | Dr.S.Shankar | Six Days STTP on "Internet of Things Based Automation Using Machine Learning" | AICTE- STTP | 2,80,000 |
| 3 | Dr.N.Rajkumar | Faculty Development Program on "Data Science" | AICTE (ATAL) | 93,000 |
| 4 | Dr.B.Gomathi | Short Term Training Program on "Potential & Challenges for Integrating 5G Networks and IOT Applications in Smart City Environment" | AICTE- STTP | 3,59,667 |
| 5 | Dr Siva K | MODROB (Modernization and Removal of Obsolescence) for CAD/CAM Lab | AICTE - MODRO B | Rs.9,40,000 |
| 6 | Dr Saravana Sundaram S | Skill and Personality Development Program Center for SC/ST Students | AICTE SPDC | Rs.8,84,000 |

- The chairperson insisted to apply Anna University AICTE Online FDP.
- The committee discussed about applying for Science Technology and Innovation (STI) Hubs for Development of Scheduled Caste (SC) and Scheduled Tribe (ST) Communities and decided to apply a minimum of three proposals.



- The committee discussed and decided to allot the various research proposal submission to the departments as follows

| Scheme | Department |
|---|--|
| RPS | CSE,ECE,EEE,IT,MECH |
| MODROB | AERO,CIVIL,EEE |
| AICTE-Scheme For Promoting Interests, Creativity And Ethics Among Students (SPICES) | For The Entire Institution - IT,EEE,ECE |

- The research director informed about the various TNSCST project proposal schemes like Dissemination of Innovative Technology (DIT), Student Project Scheme (SPS), Young Scientist Fellowship Scheme (YSFS) and Device Development Programme and Waste Management Technologies under Department of Science & Technology and the committee decided to encourage the faculty members to submit as many proposals as possible for the above mentioned schemes.
- The committee discussed about the seed money grant and it is resolved that there is a need of money to initiate the research project works of faculty. The grant for research seed money of Rs.10.0 L per annum was sanctioned by the management to encourage the Faculty Members to undertake innovative projects with relevance to the socio - economic development.
- To encourage all the faculty members to carry out their research, the policy for promotion of research which includes Research Regulations, Policy on Consultancy Projects, Policy on innovations, Incubation, Entrepreneurial Development, Establishment of IPR Cell, Incentives and other Benefits for Faculty Members is formulated and policy will be released after reviewed by Research Advisory Committee.
- All above suggestions will be communicated to the Management and Head's of the Department for further action.



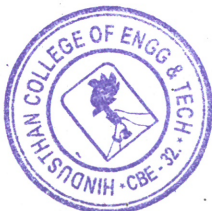
Research Director



Principal

PRINCIPAL

Hindusthan College of Engineering & Technology
COIMBATORE - 641 032



Signature of Members present:

| S.No | Name of the Members | Signature |
|------|-----------------------|-----------|
| 1. | Dr.K.Karunakaran | |
| 2. | Dr.N.Rajkumar | |
| 3. | Dr.P.N.Magudeswaran | |
| 4. | Dr.C.Sabarinathan | |
| 5. | Dr.M.Seenuvasan | |
| 6. | Dr.S.Shankar | |
| 7. | Dr.P.Vijayalakshmi | |
| 8. | Dr.B.Anand | |
| 9. | Dr.N.P.Ananthamoorthy | |
| 10. | Dr.S.Saravasundaram | |
| 11. | Dr.K.Siva | |
| 12. | Dr.M.Mohanraj | |
| 13. | Dr.K.Samuvel | |
| 14. | Dr.K.P.Uma | |





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REF. No.: HiCET/RC/2020-2021/EVEN

Date: 04.02.2021

CIRCULAR

The Research Committee meeting for the Academic Year 2020-2021 (Even Semester) is scheduled on 08.02.2021 in Library Conference Hall at 11.00 AM. All the members of research committee are requested to attend the Meeting.

Agenda:

- Appreciation on Grants received
- Discussion on proposals submitted
- Discussion on AICTE-IDEA Lab
- Allocation of departments for submission of various research proposals
- Discussion on Research Seed Money Grant sanctioned

Research Director

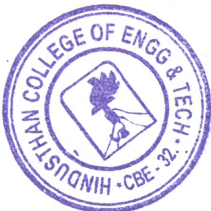
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REF. No.: HiCET/RC/2020-2021/EVEN

Date: 10.02.2021

Minutes of Meeting

Name of the Meeting : Research Committee Meeting

Date and Time of the Meeting: 08.02.2021 11:00 AM, Library Conference Hall

Chairperson

Dr.K.Karunakaran - CEO

Research Director

Dr.N.Rajkumar, Director - Research & Head of IT

Members

| SNO | Name of the Members | Designation & Department |
|-----|------------------------|--------------------------|
| 1. | Dr.P.N.Magudeswaran | Dean - Academics |
| 2. | Dr.C.Sabarinathan | Professor & Head/AUTO |
| 3. | Dr.M.Seenuvasan | Professor & Head/CHEM |
| 4. | Dr.S.Shankar | Professor & Head/CSE |
| 5. | Dr.P.Vijayalakshmi | Professor/ECE |
| 6. | Dr.B.Anand | Professor & Head/EIE |
| 7. | Dr.N.P.Ananthamoorthy | Professor & Head/EEE |
| 8. | Dr.S.Saravana Sundaram | Professor & Head/BME |
| 9. | Dr.K.Siva | Professor & Head/MECH |
| 10. | Dr.M.Mohanraj | Professor/MECH |
| 11. | Dr.K.Samuvel | Professor & Head/MBA |
| 12. | Dr.K.P.Uma | Professor & Head / S&H |



Meeting Minutes

- The chair person welcomed the members and informed that the AICTE - ATAL FDP grant is sanctioned for Rs.93,000 MECH Department and NAAC Webinar grant is sanctioned for Rs.30,000 EIE Department in the current Academic Year 2020-2021.
- The chairperson appreciated the faculty members efforts on preparing the proposal under various schemes during the odd semester

| S.No | Schemes | No of Proposals | Total Cost |
|------|---|-----------------|----------------|
| 1 | Anna University AICTE Online FDP 2020-2021 | 2 | Rs.1,80,000 |
| 2 | AICTE-Scheme For Promoting Interests, Creativity And Ethics Among Students (SPICES) | 1 | Rs.100,000 |
| 3 | Science Technology and Innovation (STI) Hubs for Development of Scheduled Caste (SC) and Scheduled Tribe (ST) Communities | 2 | Rs.2,47,66,443 |
| 4 | Device Development Programme under Department of Science & Technology (DST) | 2 | Rs.130,80,000 |
| 5 | Tamilnadu State Council for Science and Technology Dissemination of Innovative Technology (DIT) | 14 | Rs.700,000 |
| 6 | Tamilnadu State Council for Science and Technology Young Scientist Fellowship Scheme (YSFS) | 5 | Rs.200,000 |
| 7 | Waste Management Technologies under Department of Science & Technology (DST) | 6 | Rs.4,11,65,460 |
| 8 | TNSCST Under Students Projects Scheme (SPS) | 73 | Rs.12,21,629 |

- The committee discussed and decided to apply ATAL FDP through the following departments CSE,ECE,EEE, IT,MECH



- The chairperson insisted to apply Anna University AICTE Online FDP
- The committee discussed about AICTE-IDEA (Idea Development, Evaluation & Application) Labs for encouraging students for application of science, technology engineering and mathematics (STEM) fundamentals towards enhanced hands-on experience, learning by doing and even product visualization and decided to apply for it. Dr.N.Rajkumar, Research Director and Dr.S.Shankar, HoD/CSE was nominated as the coordinators for the IDEA Lab.
- A discussion on Grant of Conference (GOC) scheme was done and decided to apply through EEE & EIE Department.
- The proposals for **Research Seed Money** grant was scrutinized and a grant of **Rs.6.0 L** for the Academic Year 2020-2021 is sanctioned. The department wise proposals accepted list is as follows

| SNo | Name of the Principal Investigator / Co-Investigator | Title of the Project | Fund Allotted in Rs. |
|-----|--|--|----------------------|
| 1 | Mr.V.T.Gopinathan Mr.C.Suresh | Aerodynamic investigation of leading edge tubercled wing for UAV at low Reynolds number | 50,000 |
| 2 | Mr.R.Saravanan Mrs.T.Vijalakshmi Mr.A.Kupparaj | Performance study of Vertical Axix wind Turbine Blades for Renewable Energy Generation using Urban winds | 62,000 |
| 3 | Mr.K.Manojkumar Mr.C.Suresh Mr.K.K.Arunraja | Installation of Multipurpose Tethered Lighter than air airship | 80,000 |
| 4 | Dr.S.Deepashri Dr.R.Sakthivel | An effective Water Management through Rain Water Harvesting(RWH) inside HICET | 50,000 |
| 5 | Ms.RamyaDevi Dr.I.Jasmine Selvakumari Jeya | Enhanced vehicular tracking and intelligent transport system | 50,000 |
| 6 | Dr.M.Mohanraj | Development and Testing of High Temperature Heat Pumps for Drying of Selected Fruits and Vegetables | 74,000 |



| | | | |
|--------------|---|--|----------|
| 7 | Mr.Pradeep Johnson | Versatile Drone for Firefighting/ Riot control/3D Mapping/ Sanitizing applications | 40,000 |
| 8 | Mr.S.Jainulabdeen Dr.K.Sivakumar | Fabricate the nanomaterials from a simple chemical route and to form as thin film materials for solar energy conservation and leads to device applications | 25,000 |
| 9 | Dr.B.Jeyagowri Dr.V.Nirmaladevi Ms.S.J.Pradeeba | Physico-Chemical Analysis of Ground, Surface water in and around Coimbatore and Tirupur District, Tamilnadu | 32,000 |
| 10 | Dr.D.Rasi Ms.M.Indirani Mr.P.Karthic | IoT based Smart Water Level Monitoring | 16,000 |
| 11 | Dr.M.Mohanraj Dr.J.Manikandan Dr.K.Sekar | Development and testing of solar photovoltaic water pumping systems | 41,000 |
| 12 | Dr.N.Sridhar Dr.M.Seenuvasn | Implementation of Effective Solid Waste Management System in HICET | 60,000 |
| 13 | Dr.R.SuyamPraba | Leadership Skills (HICET) | 5,000 |
| 14 | Dr.M.Bhuvaneshwari | Emotional Intelligence Among Teaching Community With Special reference to HICET | 5,000 |
| 15 | Dr.S.Kamalaravanan | A study on the Opportunities Available in Accessing Defence Corridor project By MSMEs in Coimbatore | 10,000 |
| Total Amount | | | 6,00,000 |

- The committee discussed and decided to motivate the faculty members to convert their research project proposals to patents and appreciated the faculty members who have applied patents in the Academic Year 2020-2021.
- All above suggestions will be communicated to the Management and Head's of the Department for further action.



Research Director






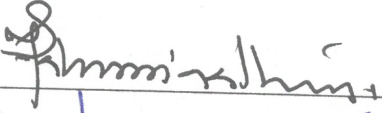
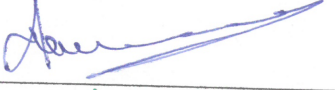
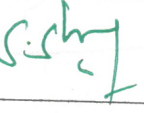
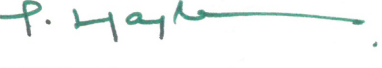


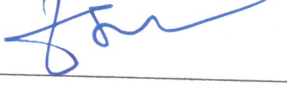
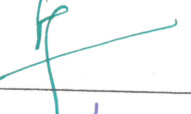
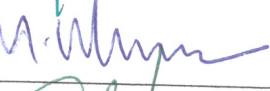
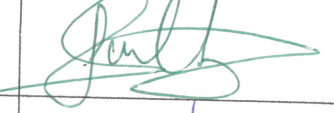

Principal

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Signature of Members present:

| S.No | Name of the Members | Signature |
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