

Date: 10<sup>th</sup> August 2016

**A Report on**  
**Malaysia visit to University Technology Petronas Malaysia**  
**1<sup>st</sup> – 7<sup>th</sup> August, 2016**

Universiti Teknologi Petronas Malaysia invited following faculty members for the period of 1<sup>st</sup> to 8<sup>th</sup> August 2016 for collaborative research activities, participation in training, discussion on upcoming projects and future activities and discussion on grant proposals.

- 1) Dr M B Kokare , CoE-PI
- 2) Dr R S Holambe, CoE-CO-PI
- 3) Dr S N Talbar, CoE-CO-PI
- 4) Dr A V Nandedkar, CoE Member

**During visiting period of above faculty members, UTP provided transportation (including flight tickets and local travel), accommodation and hospitality.**

In addition to that institute decided to send following four faculty members along with above four faculty members to get exposure and participation in above activities. Transportation expenditure was borne by the institute, **whereas UTP Malaysia had kindly agreed to take care of local hospitality and accommodation of these four faculty members also.**

- 1) Dr D D Doye, CoE Member
- 2) Dr R R Manthalkar, CoE Member
- 3) Dr S G Kejgir, CoE Member
- 4) Dr L V Birgale, CoE Member

Following are the details of activities carried out during this visit.

**Day 1: 1<sup>st</sup> August, 2016**

Arrival to Kuala Lumpur, Malaysia and Headed towards UTP, Malaysia.

**Day 2: 2<sup>nd</sup> August, 2016**

Meeting with Vice Chancellor, Hon' Datuk (Ir) Dr. Abdul Rahim Haji Hashim at Board Room, Chancellor Complex of UTP. Meeting started with the welcoming and introduction of the present dignitaries. Dignitaries present were,

Ir. Dr. Abdul Rahim Haji Hashim, Vice-Chancellor, UTP, Malaysia

Ir. Dr. Ahmad Fadzil Md. Hani, Dy. Vice-Chancellor, UTP, Malaysia

Dr. Naufal Bin Saad, Director MoR, CISIR, UTP, Malaysia

Prof. Fabrice M., Member, CISIR, UTP, Malaysia

Dr. Nidal Kamel, Member, CISIR, UTP, Malaysia

Dr. Sarat Chandra Dass, Member, CISIR, UTP, Malaysia

Dr. Ibrahima Faye, Member, CISIR, UTP, Malaysia

Dr. Tang, Member, CISIR, UTP, Malaysia

Dr. Zuki, Member, CISIR, UTP, Malaysia

Dr. Leela, Member, CISIR, UTP, Malaysia

Dr. Dileep Kumar, Research Manager, CISIR, UTP, Malaysia

Dr. Kokare M. B., Coordinator, CoE(S&IP), SGGSIE&T, Nanded

Dr. Talbar S. N., Co- Coordinator, CoE(S&IP), SGGSIE&T, Nanded

Dr. Holambe R. S., Co- Coordinator, CoE(S&IP), SGGSIE&T, Nanded

Dr. Doye D. D., Member, CoE(S&IP), SGGSIE&T, Nanded

Dr. Manthalkar R. R., Member, CoE(S&IP), SGGSIE&T, Nanded

Dr. Nandedkar A. V., Member, CoE(S&IP), SGGSIE&T, Nanded

Dr. Kejgir S. G., Member, CoE(S&IP), SGGSIE&T, Nanded

Dr. Lenina SVB, Member, CoE(S&IP), SGGSIE&T, Nanded

Hon' Vice Chancellor thanked SGGSIE&T, Nanded for the Research Collaboration and encouraged for future activities to be undertaken proactively by both the centers. Dr. Naufal introduced about UTP and the courses offered and the achievements of the institute so far. Dr.

Kokare introduced about SGGSI&T, the courses offered, institute infrastructure and achievements of the institute.





Meeting with Vice-Chancellor was followed by the UTP campus visit including the departments, Library, Auditorium, Research Building, Village Hostel and CISIR (Center for Intelligent Signal and Imaging Research).



### Day 3: 3<sup>rd</sup> August, 2016

Day 3 started with the presentation by Dr. Naufal regarding the introduction of CISIR and the projects being carried out. Followed by the presentation by Dr. Kokare, regarding the information of Center of Excellence in Signal and Image Processing and the projects undertaken.



Presentation by Dr. Dileep Kumar, about the overview of the collaboration between UTP and SGGSI&T, Targets achieved so far and the research activities carried out collaboratively. Progress presentation by Mr. Akash Gandhamal, Research exchange student working at UTP from SGGSI&T on project “Volumetric Assessment of Articular Cartilage in Knee Osteoarthritis using MR Imaging”.





Presentation sessions were followed by the discussions with the research supervisors of both the centers regarding the projects being carried out and the projects to be undertaken collaboratively between UTP and SGGSI&T. Projects being carried out at both the centers are broadly related to Biomedical signal and imaging research like, Knee Osteoarthritis, Diabetic Retinopathy,



Biometrics, EEG signal processing, Near Infrared Imaging, functional NIR, etc.

**Day 4: 4<sup>th</sup> August, 2016**

Off – Trip to Pangkor Islands.

### **Day 5: 5<sup>th</sup> August, 2016**

Day started with visit to different laboratories in CISIR and discussions with research scholars regarding the projects undertaken.



Discussions with the students followed by the expert talks by Dr. Holambe R. S. on “Orthogonal Transforms: from Fourier to Wavelets” and by Dr. Manthalkar R. R. on “Interpersonal Neuro Biology” for the research scholars working under CISIR.

### **Day 6: 6<sup>th</sup> August, 2016**

Workshop at Heritage Hotel, Cameron Highlands on “International Project Proposals and Grant Writings”. Discussion with Research Supervisors of both the centers regarding the projects to be



undertaken jointly. Discussion was also followed by the joint-proposal writing and submission of the collaborative research activities between UTP, Malaysia and SGGSI&T, Nanded.



### **Day 7: 7<sup>th</sup> August, 2016**

Concluding day of the One Week workshop on “International Project Proposals and Grant Writings” by Dr. Naufal and finalizing the list of projects to be jointly undertaken between UTP and SGGSI&T along with the two way mobility of the research students and supervisors.



## **Outcome:-**

1. Prepared five proposals jointly with UTP Malaysia for international funding.
2. Discussed collaborative research activities and student exchange with UTP Malaysia.
  - a. Under this collaborative activity, ten to twelve PG students will join UTP for one year for their M Tech project from July 2017.
  - b. Three research scholars will join for collaborative research for the period of one year from November 2016.
  - c. Two PG students (Mr. Rodney and Mr. Feng) from UTP will join SGGSI&T for giving training on the emotiv machine from 16<sup>th</sup> October to 27<sup>th</sup> October 2017.



**Dr. M. B. Kokare**  
CoE- Project Investigator

**Dr. L. M. Waghmare**  
Director