



UNIVERSITI SAINS MALAYSIA

Curriculum Vitae**I. Personal Particulars**Name: Assoc. Prof. Dr.Taksiah A.Majid

Current Position: Lecturer
Deputy Dean – Graduate Studies and Research (Mac 2005 – Mac 2007)
Programme Chairman – Structural Engineering (Mac 2003 - Mac 2005)

Address : School of Civil Engineering, Engineering Campus, Universiti Sains Malaysia,
Sri Ampangan, 14300, Nibong Tebal, Seberang Perai Selatan, Pulau Pinang.

Telephone : 04 – 5996282
 H/Phone : 012-5072267
 Fax : 04 - 5941009
 Email : taksiah@eng.usm.my

II. A. Academic and Professional Qualifications

Year	Degree	Discipline	University
1990	B.Eng.Hons C.N.A.A	Civil Engineering	Middlesex Polytechnic, London, UK.
1992	M.Sc (Eng)	Structural Engineering	The University of Liverpool, UK.
1996	PhD	Civil Engineering	The University of Liverpool, UK.

B. Title of master and PhD thesis

Mater Thesis : Finite Element Analysis of Flexible Retaining Walls

PhD Thesis : Structural Pounding of An Adjacent Building Under Dynamic Loading

III. Working Experience

Year	Position	Field of Work	Place of Work
1990 (6 bulan)	Engineer	Structural and Pipeline design	MINCO, P.Jaya
1996 – to date	Lecturer	Structural Engineering	USM
2003 - 2005	Programme Chairman of Structural Engineering.		USM
2005 – 2007	Deputy Dean – Graduate Studies and Research		

IV. Current Research

1. Wind loads on building
2. Earthquake Engineering
3. Finite Element Modelling and Analysis

1.0	RESEARCH AND PUBLICATION
1.1	Publication As A Result of Research
A.	Research Book/Monograph <ol style="list-style-type: none"> 1. T.A.MAJID, et al., (2002) “ Code of Practice on Wind Loading For Building Structure” Malaysian Standard MS1553 : 2002, Department of Standards Malaysia. 2. A.MAJID, T., et al., (2000) “Code of Practice on Wind Loading For Building Structure” Preliminary Draft Construction Industry Standard CIS:5, Construction Industry Development Board Malaysia (CIDB) 3. M.S.JAAFAR, T.A.MAJID, et. Al.,(2000), Modular Coordination Notes, <i>Joints and Tolerancs For Building Construction</i>, Construction Industry Development Board Malaysia(CIDB).
B.	Journal/Proceedings (journal)/Internet Journal/Chapter in the book <ol style="list-style-type: none"> 1. IBRAHIM,Z., MAJID, T.A. and THOMAS,C., The Behaviour of Eccentric Structural Pounding Under Seismic Load, 2nd Asia-Pasific Conference on Shock & Impact Loads on Structures, Melbourne, Australia, (1997). 2. DIAH, A.B., Carbonation On Various Grade of OPC Concrete, Engineering Fifth International Conference, EAIC'97, Cairo, Egypt, 19- 22 Dec. 1997, p 464 - 470. 3. DIAH, A.B., WEI-XIN REN, MAJID, T.A., Integrated Nondestructive Damage Diagnosing System To Meet the Challenge of Civil Infrastructure Safety, Seminar Kebangsaan Ujian Tanpa Musnah (NDT): Kearah Menghadapi Cabaran Perindustrian Masa Depan, MINT, Bangi, 25-26 Nov. 1997. 4. DIAH, A.B.M., and MAJID, T.A, Enhanced Durability via GGBS Concrete (Slag cement). Seminar The Institution of Engineers Malaysia (Perak Branch), Hotel Seri Malaysia, Ipoh, 13rd December 1997. 5. MAJID, T.A., MOHD, S., and DIAH, A.B.M., Effect of Chloride Penetration on High Strength Concrete After Prolong Cured Under Water. International Conference on Hydrology and Water Resources of Humid Tropics (HUMID TROPICS '98). School of Civil Engineering, Universiti Sains Malaysia, Ipoh, Perak, 24-26 November 1998. 6. WEI-XIN REN., MAJID, T. A., and DIAH, A.B.M., Non Destructive Damage Identification of Civil Infrastructure Through The Changes In Their Vibration Characteristics. Proceeding 23rd International Conference on Our World in Concrete and Structures, 24-26 August 1998, Hotel Otani, Singapore, pp. 127-134 7. MAJID, T.A, Earthquakes Don't Kill People; Buildings Do, The Malaysian Technologist , Vol : 2 / 1998 , Dec 1998, pp 39 - 42. 8. DIAH, A.B.M., and MAJID, T.A., Kesan Air Laut Terhadap Kekuatan Konkrit. JURUTERA, IEM Buletin, No.8., Bil. 1998, August 1998, pp 51-55. 9. DIAH, A.B.M., dan MAJID, T.A., Konkrit: Faktor Mempengaruhi Kekuatannya, Annual Bulletin IEM (Perak Branch), November, 1998, pp. 32-36. 10. DIAH, A.B.M., and MAJID, T.A., Penggunaan Sisa Kiub Konkrit Sebagai Agregat. JURUTERA, IEM Buletin, No.10, Bil. 1998, Oktober 1998, pp. 45-50. 11. MAJID, T.A., dan DIAH, A.B.M., Kelebihan Konkrit Gred 80 untuk Industri Konkrit. Malaysian Science and Technology Congress 98 at Hyatt Regency, Johor Bahru, 30-31 Oktober 1998. 12. DIAH, A.B.M., and MAJID, T.A., Bagaimana Menghasilkan Konkrit Berkualiti?, Seminar Teknikal JKR Taiping, Taiping 5th September 1998. 13. DIAH, A.B.M., and MAJID, T.A., Higher Grade Concrete for Low and Medium Low-Cost House, Conference on Low and Low-medium Cost Housing Development, Kuching Hilton International, Kuching , Sarawak, 9- 10 July 1998.

14. DIAH, A.B.M., and MAJID, T.A., Ciri-ciri Konkrit Bermutu. Seminar Pegawai Teknik Majlis Bandaraya Ipoh (MBI), Dewan Bandaraya Ipoh, 28th July 1998.
15. DIAH, A.B.M., dan MAJID, T.A., Konkrit Berkekuatan Tinggi untuk Struktur Pantai. Malaysian Science and Technology Congress 98 at Primuda Park Royal, Kuala Terengganu, 7-9 November 1998.
16. DIAH, A.B.M., dan MAJID, T.A., Reka Bentuk Campuran Konkrit Menggunakan Perisian 'Visual Basic'. Malaysian Science and Technology Congress 98 at Universiti Sains Malaysia, Pulau Pinang, 10-11 November 1998.
17. DIAH, A.B.M., dan MAJID, T.A., Penggunaan Konkrit Terbuang Sebagai Agregat untuk Memelihara Alam Sekitar. Malaysian Science and Technology Congress 98, Tang Dynasty, Kota Kinabalu, Sabah, 23-25 November 1998.
18. DIAH, A.B.M., and MAJID, T.A., Strength Development of Ordinary Portland Cement Concrete. Journal of Physical Science, Vol. 9, Universiti Sains Malaysia (USM), 1998, pg13 – pg19
19. DIAH, A.B.M., R.H.HAMIR and MAJID, T.A., Factor Affecting The Drying Shrinkage of Grade 50 Concrete. JURUTERA IEM, monthly Bulletin, The Institution of Engineers Malaysia, No 5, May 1999
20. DIAH, A.B.M., MAJID, T.A, and AZIZLI, K.A., Performance of High Strength Concrete for Next Millenium. 2nd International Conference of Recent Advances in Materials and Mineral Resources (RAMM'99). School of Material and Mineral Resources Engineering, Universiti Sains Malaysia, Penang, 3-5 May 1999, pg. 248-256.
21. SUMADI, S.R., DIAH, A.B.M, CHALID, A., and MAJID, Strength Development of GGBS Concrete Cured With Different Temperatures, Specialist Conference On Industrialised Building Systems and Structural Engineering, World Engineering Congress and Exhibition '99 (WEC99), 19-22 July 1999, Sheraton Subang Hotel and Towers, Kuala Lumpur.
22. DIAH, A.B.M., MAJID, T.A, and KAMARULZAMAN, K.B., Carbonation of Concrete Exposed to Natural Laboratory Environment, Civil and Environmental Engineering Conference – New Frontiers and Challenges, 8-12 November 1999, Bangkok, Thailand.
23. DIAH, A.B.M., HAMIR, R. and MAJID, T.A, Workability of Glassfibre Reinforced Concrete, Second Asia Pasific Speciality Conference On Fiber Reinforced Concrete, 27-28 August 1999, Singapore.
24. DIAH, A.B.M, MOHD, S and MAJID, T.A., Diffusion of Chloride Into Air-Cured OPC Concrete, JURUTERA, IEM Monthly Buletin, No.10., Bil. 1999, October 1999, pp 43-47.
25. MAJID, T.A., and DIAH, A.B.M, Pemantauan Kualiti Konkrit, Kursus Pendek Pengawalan Kualiti Konkrit, 22 – 23 Sept 1999, USM-KCP
26. MAJID, T.A., IBRAHIM, Z. and SUNDARAJ, G. Kesan Seismik Ke atas Bangunan Di Malaysia, Persidangan Kebangsaan AWAM 99, The Orient Star Resort, Lumut, 24-26 Januari 2000.
27. DIAH, A.B.M., ZAKARIA, N.A., MAJID, T.A., KAMARULZAMAN, K.B. and RIDZUAN, A.R.M., Effect of air-cured on strength development of OPC concrete, Proceeding The Second Asia Pacific Conference on Durability of Building Systems Harmonised Standards and Evaluation. 10-12 July 2000, Institut Teknologi Bandung (ITB), Indonesia, pg 22-1 to 22-4.
28. ALI, K.S., DIAH, A.B.M., and MAJID, T.A, Carbonation, sulphate attack and permeability of concrete containing mining sand, Proceeding of Al-Azhar Engineering Sixth International Conference(AEIC 2000), Al-Azhar University Engineering Journal (AUEJ) Special Issue, Vol 3, Nasr City, Cairo, Egypt, pg 593-600
29. ALI, K.S., DIAH, A.B.M., ZAKARIA, N.A., MAJID, T.A, and KAMARULZAMAN, K.B., A comparative study of normal concrete with concrete containing mining sand, Proceeding 25th Conference on Our World In Concrete Structures, 23-24 August 2000, Singapore, pg 201-208.
30. ALI, K.S., DIAH, A.B.M., and MAJID, T.A, Strength development and durability of concrete containing Mining Sand. Proceedings of Conference on Engineering in Sarawak, In the Last Century and for the next decade, 16-17 th May 2000, pg206 – 213.
31. MAJID, A.T., NURUDDIN, M.F., DIAH, A.B.M., and ALI, K.S., Carbonation of concrete containing 60 % GGBS, SIMPOSAINS 2000, 4 Oktober 2000, Universiti Teknologi Mara.
32. MAJID, T.A, RAMAN, S.N, ZAKARIA, N.A. dan DIAH, A.B.M., Kesan Penggunaan Blok Perunag Mortar Keatas Kekuatan Mampatan Konkrit, Malaysian Science And Technology Congress (MSTC 2000), COSTAM and Ministry of Science, Technology and The Environment, 7-9 November 2000, Awana Golf & Country Resort, Genting Highlands.
33. Z.IBRAHIM, W.V.CHEONG, Z.ISMAIL, T.A.MAJID, and G. SUNDARAJ. Time Series Analysis and Modelling of Wind Speeds. Proc. of Regional Conference on Higher Engineering Education, RECHEEN, 14-15 March 2001, Universiti Malaya, Kuala Lumpur, pg167-173.
34. MAJID, T.A., SUNDARAJ, G., SANTHAKUMAR, J., IBRAHIM, A., A Comparison study of CP3 and ASCE Wind Codes on wind loads for reinforced concrete structures, Seventh International Conference on Concrete Engineering and Technology, CONCET2001, 5-7 June 2001, UiTM, Shah Alam
35. MAJID, T.A., SUNDARAJ, G., HAMID, M.A., IBRAHIM, Z., A Comparison study on Sumatra's earthquake vs other earthquake effects on a simple reinforced concrete frame structure using STAADIII, Seventh International Conference on Concrete Engineering and Technology, CONCET2001, 5-7 June 2001, UiTM, Shah Alam

36. SUNDARAJ, G., ISMAIL, Z., IBRAHIM, Z., N.H.RAMLI, MAJID, T.A., KAMARUZZAMAN, W.H.W, A study On Malaysian Wind Speeds Using Fast Fourier Transformation, International Conference on Computational Intelligence for Modeling Control and Automation, CIMCA ' 2001 IAWTIC '2001 conference, Los Vegas, USA, 9-11 July 2001.
37. MAJID, T.A., MOHD, S., DIAH, A.B.M., LAU, T.L., Analysis on reinforced concrete tidal gate using STAADIII. Proceeding 26th Conference on Our World in Concrete & Structures, 27 – 28 August 2001, Singapore, pg435-442.
38. DIAH, A.B.M., NURUDDIN, M.F., RIDZUAN, A.R.M., MAJID, T.A., ZAKARIA, N. Estimation of Service Life Span of Concrete Structures Exposed to Carbonation Attack, Conference on Construction Technology, CONTECT-2001, 11-13 October 2001, Kota Kinabalu, Sabah.
39. A. FAISAL, T.A.MAJID, A.B.M.DIAH, K.B.KAMARULZAMAN, Damage Indices of RC Malaysia Buildings due to Sumatra Earthquakes, Persidangan Kebangsaan AWAM2001, 5-8 Feb 2002, Star Cruises - Gemini.
40. G.SUNDARAJ, T.A.MAJID, W.H.W.BADARUZZAMAN, Z.IBRAHIM, Z.ISMAIL, Design Procedure for Steel Frame Telecommunication Tower Using Malaysian Standard for Wind Loading, Persidangan Kebangsaan AWAM2001, 5-8 Feb 2002, Star Cruises-Gemini.
41. G.SUNDARAJ, T.A.MAJID, Z.ISMAIL Z.IBRAHIM, Wind Loading Design Procedure for RC Industrial Chimney Using the Draft of Malaysian Standard for Wind Loading, World Conference on Concrete Materials and Structures(WCCMS), 14-16 May 2002, UiTM Shah Alam.
42. A.B.M.DIAH, K.B.KAMARULZAMAN, T.A.MAJID, M.A.M.JOHARI, S.R.SUMADI, S.A.KAMRAN, M.R.M. RIDZUAN and M.A.M.JELANI, The performance of Unburnt Clay Brick on Compressive Strength and Water Absorption, World Conference on Concrete Materials and Structures (WCCMS), 14-16 May 2002, UiTM Shah Alam.
43. T.A.MAJID, Z.IBRAHIM, Structural Pounding of An Adjacent Building Under Dynamic Loading, The Second World Engineering Congress 2002 (WEC), 22-25 July 2002, Kuching, Sarawak.
44. G.SUNDARAJ, T.A.MAJID, Z.IBRAHIM, Z.ISMAIL, W.H.W.BADARUZZAMAN, Basic Wind Speed Validation for Thunderstorm Climatic Conditions in Malaysia, The Second World Engineering Congress 2002 (WEC), 22-25 July 2002, Kuching, Sarawak.
45. N.MOHAMAD, T.A.MAJID, Analisa Kekasaran Tanah ke atas beban angin secara perbandingan diantara kod piawaian british dan kod piawaian Malaysia menggunakan perisian STAADIII, Malaysian Science and Technology Congress 2002 (MSTC2002) COSTAM, 19-21 September 2002, Johor Bahru, Johor.
46. A.FAISAL, T.A.MAJID, Maximum magnitude m_{max} of Sumatra Earthquakes For Maximum Credible Earthquake of Structural Design, Malaysian Science and Technology Congress 2002 (MSTC2002) COSTAM, 19-21 September 2002, Johor Bahru, Johor.
47. Z.ISMAIL, N.H.RAMLI, Z.IBARHIM, T.A.MAJID, G.SUNDARAJ, W.H.W.BADARUZZAMAN,(2003), Chapter XVII, Design Wind Speeds using Fast Fourier Transform : A Case Study, , *Computational Intelligence in Control* , Idea Group Publishing
48. M.A.BAWADI, W.M.A.WAN HUSSIN, T.A.MAJID, S.AHMAD, Assessment and Development of Wind Energy in the East Coast of Peninsular Malaysia, Environmental Management and Sustainable Development for Better Future Growth, ENVIRONMENT 2003, 18-19 February 2003, Bayview Beach Resort, Batu Feringghi Beach, Penang.
49. S.A.OSMAN, A.K.A.RASHID, T.A.MAJID, Application of Computational Techniques for Wind Loads Prediction on Building, 3rd International Conference on Advances in Strategic Technologies (ICAST2003), 12-14 August 2003, Kuala Lumpur
50. M.A.MEGAT JOHARI, B.H.ABU BAKAR, S.MOHD, T.A.MAJID, Influence of Fly Ash on Chloride Resistant Performance of Concrete, 5th Asia-Pacific Structural Engineering and Construction Conference (APSEC 2003), 26-28 August 2003, Johor Bahru.
51. M.A.BAWADI, W.M.A.WAN HUSSIN, T.A.MAJID, S.AHMAD, Analysis of Prevailing wind speed and direction at Mersing and possibility of wind machine installation, International Symposium on Renewable Energy, 14-17 September 2003, Corus Hotel, Kuala Lumpur.
52. M.A.BAWADI, W.H.A.W.HUSSIN, A.SHAMSHAD, T.A.MAJID, Wind Flow and Terrain Analysis For Wind Farming Using GIS, International Symposium and Exhibition on Geoinformation 2003 (ISG03), 13-14 October 2003, Shah Alam, Selangor.
53. M.A.BAWADI, W.H.A.W.HUSSIN, T.A.MAJID, A.SHAMSHAD, (2003) Evaluation of Wind Turbine Potentiality at Windy Sites in Malaysia, 3rd International Conference On Recent Advances In Materials, Minerals And Environment (RAMM2003), 20-22 Oct 2003, Bayview Beach Resort, Penang.
54. M.A.MEGAT JOHARI, K.S. ARIFFIN, M.K.M.HASHIM, S.MOHD, B.H.ABU BAKAR, T.A.MAJID and M.F.ARSHAD, Metakolin : A Potential Performance Enhancing Mineral Admixture for Malaysian Concrete Industry, 3rd International Conference of Recent Advances in Materials, Minerals and Environment (RAMM'03), 20-22 Oct 2003, The Bayview Beach Resort, Batu Feringgi, Penang.
55. S.A.OSMAN, A.K.A.RASHID, T.A.MAJID, Kajian Perbandingan Taburan Tekanan di Antara Pengukuran Sebenar dengan Permodelan Berkomputer, Persidangan Kebangsaan Ketiga Kejuruteraan Awam (AWAM2004), 20-22 Julai 2004, Copthorne Orchid Hotel, Tanjung Bungah, Pulau Pinang.

--	--

56. S.JALAL, K.K.CHOONG, T.A.MAJID, Steel Frame Analysis with semi rigid connections, Persidangan Kebangsaan Ketiga Kejuruteraan Awam (AWAM2004), 20-22 Julai 2004, Copthorne Orchid Hotel, Tanjung Bungah, Pulau Pinang.
57. N.NORDIN and T.A.MAJID, A Structural Analysis on the impact of water load from rooftop rainwater harvesting tank on a 13 storey building. Persidangan Kebangsaan Ketiga Kejuruteraan Awam (AWAM2004), 20-22 Julai 2004, Copthorne Orchid Hotel, Tanjung Bungah, Pulau Pinang.
58. S. A. Osman, A. R. Khalim & T. Majid , 2004, Numerical Prediction of Wind Loading on Concrete Buildings, Proceeding of the Seventh International Conference on Concrete Technology in Developing Countries, (7th ICCT - Oct 2004 Kuala Lumpur), Vol: Modeling and Numerical Methods for Concrete Materials, pg 123-132.
59. A.SHAMSHAD, M.A.BAWADI, W.M.A.WAN HUSSIN, T.A.MAJID and S.A.M.SANUSI, First and second order Markov chain models for synthetic generation of wind speed time series, Jurnal of ENERGY, Elsevier, Vol 30, No. 5, p693-708, 2005
60. T.A.Majid, K.K.Choong, T.L.Lau, S. Zaini, F.M.Nazri and M.R. Arshad, "Building Safety under earthquake loading", The Disasters Awareness Week for Seismic, Earthquake and Tsunami in Malaysia, University of Malaya, 20 – 25th Jun 2005.
61. T.A.Majid, K.K.Choong, T.L.Lau, S. Zaini, F.M.Nazri and M.R. Arshad "Structural damage for irregular building under earthquake loading", Seminar and Dialog on The treat of Earthquake and Tsunami Disasters and Development of Strategic Planning , in Malaysia, Kuala Lumpur Convention Centre, 12 – 13th July 2005.
62. B.S.MOHAMMAD and T.A.MAJID, " Wind Speed Profile at Seberang Jaya Station and Universiti Sains Malaysia, Engineering Campus", Brunei International Conference on Engineering and Technology, BICET 2005, 15-18 August 2005.
63. T.A.MAJID and N.I. RAMLI, 2005,"Validation of Code of Practice on Wind Loading for Building structure in Malaysia", Prosiding Kejuruteraan Awam, UKM, Seminar Teknikal JPZ-JKAS 2005, 18 August 2005, UKM, Bangi.
64. T.A.Majid, A.Faisal, K.K.Choong, S.S. Zaini and T.L.Lau, "Response Spectrum acceleration in Kuala Lumpur and Penang due to Sumatran Earthquakes", National Workshop on Tsunami and Earthquake, 22-23 August 2005, ShangriLa Hotel, Penang.
65. Suhail A.Razzack, K.K.Choong, Taksiah A.Majid and J.Y.Kim (2005), "Structural Concept of Shell With Folds - Idea from the World of Plants", 3rd Specialty Conference On The Conceptual Approach to Structural Design", 25-26 Aug. 2005, pp.161-166. , Singapore
66. T.L.Lau, T.A.Majid, A.Ghani, N.A.Zakaria and K.K.Choong, (2005), "A Structural Perspective of a High Rise Building Incorporated with Rainwater Harvesting Storage Tank towards Building A Sustainable Urban Environment in Malaysia", The 2005 World Sustainable Building Conference, Tokyo (SB05 Tokyo), 27-29 Sept 2005. Tokyo, Japan.
67. M.A.BAWADI, W.M.A.WAN HUSSIN, A.SHAMSHAD and T.A.MAJID,(2005) " Characteristics of prevailing wind speed and direction at windy sites in Malaysia and the evaluation of wind turbine potentiality" 4th International Symposium and Exhibition on Geoinformation 2005 (ISG2005), Grand Plaza Park Royal, Batu Feringghi, Penang, 27-29 Sept 2005.
68. M.A.BAWADI, W.M.A.WAN HUSSIN, A.SHAMSHAD and T.A.MAJID,(2005) " Wind farm site suitability study using GIS", 4th International Symposium and Exhibition on Geoinformation 2005 (ISG2005), Grand Plaza Park Royal, Batu Feringghi, Penang, 27-29 Sept 2005.
69. S.A.RAZZACK, K.K.CHOONG, I.A.LATEEF and T.A.MAJID,(2005) "Acquisition of geometry of surface with folds using two-point triangulation approach", 4th International Symposium and Exhibition on Geoinformation 2005 (ISG2005), Grand Plaza Park Royal, Batu Feringghi, Penang, 27-29 Sept 2005.
70. T.L.Lau, T.A.Majid, K.K.Choong, S.S.Zaini (2005) , "Public Awareness on Earthquake and Tsunami Survey in Penang", Jurutera Bulletin of The Institution of Engineers, Malaysia, September 2005, pp 14-18.
71. W.M.A.WAN HUSSIN, M.A.BAWADI, A.SHAMSHAD and T.A.MAJID, " Optimization and maximization of energy yield in low wind speed regions- A case study in Malaysia", 4th International Symposium and Exhibition on Geoinformation 2005 (ISG2005), Grand Plaza Park Royal, Batu Feringghi, Penang, 27-29 Sept 2005.
72. A.SHAMSHAD, M.A.MEGAT JOHARI, W.M.A. WAN HUSSIN, S.A.MOHD SANUSI & T.A.MAJID,"Digital image analysis of cracks in concrete of different grades", International Conference on Concrete Repair, Rehabilitation & Retrofitting, Cape Town, South Africa, 21-23 November 2005.
73. N.M.ALI, N.I.,RAMLI, T.A.MAJID, "Determination and Validation of Code of Practice on Wind Loading for Building Structure in Malaysia: Terrain Height Multiplier", 2nd Workshop on Regional Harmonisation of Wind Loading and Wind Environmental Specifications in Asia-Paciifc Economies (2nd APEC-WW), 5-6 December 2005, The Hong Kong University of Science and Technology, Hong Kong .
74. T.A.Majid, A.Adnan and K.K.Choong, "Training of Future Engineers in the area of earthquake Engineering in Local Universities, National Workshop on Seismic and Tsunami hazards Risks in Malaysia, The Berjaya Times Square Hotel and Convention Centre, K.Lumpur, 24-25 April 2006
75. Fadzli Mohd Nazri, T.A.MAJID, Mohd Rashwan Arshad, (2006), "Prediction maximum magnitude Mmax for Peninsular Malaysia, International Seminar on Civil and Infrastructure Engineering (ISCIE06), 13-14 June 2006, UiTM, Shah Alam .

	<p>76. S.A.RAZZACK, K.K.CHOONG and T.A.MAJID(2006), A Study on Shell Surface with folds – a nature inspired idea from leaves of Johannesteijsmannia Altrifron, Journal of International Association For Shell and Spatial Structures, Vol. 47 (2006) n.1 April n.150</p> <p>77. ARSHAD M.R. and T.A.MAJID (2006) Peak Ground Acceleration(PGA) Prediction for Ipoh due to Sumatran-Fault Earthquakes, 1st Civil Engineering Colloquium (CEC'06), Association of Civil Engineering, Post Graduates & Reasearch Officers (ACEPRO), School of Civil Engineering, USM, 24-25 May 2006</p> <p>78. S. A.Razzack, K.K.Choong and Taksiah A.Majid (2006), Folded Shells Inspired from the Leaf of Johannesteijsmannia altrifrons, 1st Civil Engineering Colloquium (CEC'06), Association of Civil Engineering, Post Graduates & Reasearch Officers (ACEPRO), School of Civil Engineering, USM, 24-25 May 2006</p> <p>79. FADZLI M.N. AND T.A.MAJID (2006) Peak Ground Acceleration (PGA) for Georgetown and Alor Setar due to Sumatran Subduction and Fault Zones, 1st Civil Engineering Colloquium (CEC'06), Association of Civil Engineering, Post Graduates & Reasearch Officers (ACEPRO), School of Civil Engineering, USM, 24-25 May 2006</p> <p>80. S.A.Razzack, K.K.Choong and Taksiah A.Majid (2006), A Study on the Measurement of Irregular Surface Profile Using Structured Lighting Method, Souvenirs Programme and Abstract, Malaysian Science and Technology Congress 2006(MSTC 2006), 18-20 September 2006, Kuala Lumpur, p.153</p> <p>81. FADZLI M.N. AND T.A.MAJID (2006) Peak Ground Acceleration (PGA) for Georgetown due to Sumatran Subduction and Fault Zones, National Seminar on Civil Engineering Research (SEPKA06), Faculty of Ciivil Engineering, UTM, Skudai, Johor, 19-20 December 2006</p> <p>82. ARSHAD M.R. and T.A.MAJID (2006) Predeiction of peak Ground Acceleration for Ipoh using Empirical Attenuation Relationship, National Seminar on Civil Engineering Research (SEPKA06), Faculty of Ciivil Engineering, UTM, Skudai, Johor, 19-20 December 2006</p> <p>83. Arshad, M.R., and Majid, T.A., (2007), Development of Design Response Spectra for Various Soil Type in Ipoh, Persidangan Kebangsaan Kejuruteraan Awam, AWAM07, 29 – 31 May 2007, Hotel Helang , Langkawi (accepted)</p> <p>84. Fadzli, M.N., Majid, T.A., Zaini., S.S., (2007), Design Response Spectra for Penang Soil based on UBC97, Persidangan Kebangsaan Kejuruteraan Awam, AWAM07, 29 – 31 May 2007, Hotel Helang , Langkawi (accepted)</p>
1.2	Teaching Publication
A.	Module Planned
	<p>1. T.A.MAJID , K.K.CHOONG, 24 Feb 2004 -2005, EBVS4103 Structural Analysis, Open University Malaysia (OUM),</p>

<p>B.</p>	<p>Ad Hoc Module/Guided Course Apparatus/Nursing Protocol for patient</p> <ol style="list-style-type: none"> 1. EAA102/2 : Structures and Strength of Material Laboratory (<i>Makmal Struktur dan Kekuatan Bahan</i>) 2. EAS251/3 : Theory of Structures I (<i>Teori Struktur 1</i>) 3. EAS252/3 : Theory of Structures II (<i>Teori Struktur II</i>) 4. EAS351/3 : Finite Element Analysis For Engineers (<i>Analisis Element Terhingga Untuk Jurutera</i>) 5. EAA451/4 : Advanced Theory of Structures (<i>Teori Struktur Lanjutan</i>) 6. EAA452/4 : Advanced Structural Design (<i>Rekabentuk Struktur Lanjutan</i>) 7. EAS551/4 : Advanced Theory of Structures (MSc by c/work) (<i>Teori Struktur Lanjutan (Sarjana)</i>) 8. EAS553/4 :Advanced Structural Desgn (MSc by c/work) (<i>Rekabentuk Struktur Lanjutan (Sarjana)</i>) 9. EAS551/4 :Advanced Structural Analysis (MSc by c/work) (<i>Analisis Struktur Lanjutan (Sarjana)</i>) 10. EAS253E/3 : Theory of Structures (2002 – till now) 11. EAS254E/3 : Structural Analysis (2002 – till now) 12. EAS561/4 :Advanced Structural Mechanics and Finite Element Analysis (MSc by c/work) 13. EAS565/4 : Advanced Reinforced Concrete Structures (MSc by c/work) 14. EAS566/4 : Special Structures (MSc by c/work) 15. EAB400/3 : Free Studies (<i>Kajian Bebas</i>) 15. EAA273/2 : Engineering Practice (AutoCAD R14) (<i>Amalan Kejuruteraan (AutoCAD R14)</i>)
	<ol style="list-style-type: none"> 16. EAS551/4 : Advanced Theory of Structures (MSc by c/work) (<i>Teori Struktur Lanjutan (Sarjana)</i>) 17. EAS553/4 :Advanced Structural Desgn (MSc by c/work) (<i>Rekabentuk Struktur Lanjutan (Sarjana)</i>) 18. EAS551/4 :Advanced Structural Analysis (MSc by c/work) (<i>Analisis Struktur Lanjutan (Sarjana)</i>) 19. EAS253E/3 : Theory of Structures (2002 – till now) 20. EAS254E/3 : Structural Analysis (2002 – till now) 21. EAS561/4 :Advanced Structural Mechanics and Finite Element Analysis (MSc by c/work) 22. EAS565/4 : Advanced Reinforced Concrete Structures (MSc by c/work) 23. EAS566/4 : Special Structures (MSc by c/work) 24. EAB400/3 : Free Studies (<i>Kajian Bebas</i>) 25. EAA273/2 : Engineering Practice (AutoCAD R14) (<i>Amalan Kejuruteraan (AutoCAD R14)</i>) 26. EAS661/4 : Advanced Structural Mechanics (MSc by mixed-mode) 27. EAS663/4 : Dynamics and Stability of Structures (MSc by mixed mode) 28. EAS664/4 : Principle of Structural Design (MSc by mixed-mode)
<p>1.3</p>	<p>Research Grant</p>
<p>A.</p>	<p>National (at national level)</p>

	<ol style="list-style-type: none"> 1. Effect of environment properties of materials and method of construction on reinforced concrete structures in Malaysia, IRPA USM, RM188,000, Prof.Madya Dr. Abu Bakar Mohd Diah (leader), Prof. Madya Dr. Sabarudin Mohd, Dr. Taksiah A.Majid, Julai 96 – Julai 99. 2. High Strength lightweight concrete for structural elements, IRPA USM, RM441,000, Prof.Madya Dr. Sabarudin Mohd (leader), Prof. Madya Dr. Abu Bakar Mohd Diah, Dr. Taksiah A.Majid, Julai 96 – Julai 99. 3. A research and study in wind engineering and wind structure interaction, IRPA UM , RM 202,000 , Ms. Zainah Ibrahim (leader), Dr. Taksiah A.Majid, Ir. G.Rahulan, Prof. Madya Dr. Wan Hamidon Wan Badaruzzaman, Prof. Madya Dr. Azmi Ibrahim, Mr. Tan Lee Seng, Jun 99 – Mei 2001 . 4. Seismic Hazard of Peninsular Malaysia for Structural Design Purpose”, IRPA GRANT SEER-CIDB, RM 71,000, 15 Feb 2005 – 15 Feb 2007 5. Public awareness on Earthquake: Professionals, JKR – IKRAM Grant, RM 75 000, Assoc. Prof. Dr. Taksiah A.Majid (leader), Dr. Choong Kok Keong, Mr. Lau Tze Liang, Mr. Shaharudin Shah Zaini, July – Nov 2005. 6. Establishment of Database of Existing Building for Seismic Hazard in Penang Island : Phase 1 – Building Irregularities and Soil Data Collecton, JKR Grant, RM 43 000, Assoc. Prof. Dr. Taksiah A.Majid (leader), Dr. Choong Kok Keong, Mr. Lau Tze Liang, Mr. Shaharudin Shah Zaini, Oct – Nov 2005.
<p>B. University</p>	<ol style="list-style-type: none"> 1. Studies on Structural System Identification and Parameter Estimation (<i>Kajian Kerosakan Struktur Melalui Anggaran Parameter Dinamik</i>), Short Grant USM, Mac 98 – Feb 2000, RM 15, 342 , Dr. Taksiah A.Majid (leader), Prof. Madya Dr. Abu Bakar Mohd Diah. 2. A Study on the suitability of Mining Sand in the Concrete Industry, (<i>Mengkaji Kesesuaian Pasir Lombong untuk Digunakan dalam Industri Konkrit</i>), Short Grant USM, Jun 00 – Mei 01, RM 15,300.00, Prof Madya Dr. Abu Bakar Mohd Diah (leader) , Dr. Taksiah A. Majid , Prof Kamarudin Husin , Prof Madya Azmi Rahmat. 3. Studies of Wind Profile at Seberang Perai for the Malaysian Code on Wind Loading (<i>Kajian Profil Angin Di Seberang Perai Untuk Kod Piawaian Beban Angin di Malaysia</i>). Short Grant USM , Nov 01 – Okt 02, RM 13,780.00, Dr. Taksiah A.Majid (leader),Prof Madya Dr Abu Bakar Mohd Diah, Dr Badorul Hisham Abu Bakar, Dr Choong Kok Keong, Dr Megat Azmi Megat Johari. 4. A study on the suitability of Metakaolin from Koalin clay in Malaysia as mineral admixtures in concrete (<i>Kajian keatas kesesuaian penggunaan Metakaolin yang dihasilkan daripada tanah liat jenis Kaolin yang terdapat di Malaysia sebagai bahan tambahan mineral untuk konkrit</i>) , Short Grant USM, Nov 01 – Okt 02, RM16,519.00 , Dr Megat Azmi Megat Johari(leader), Dr. Taksiah A.Majid, Prof Madya Dr Abu Bakar Mohd Diah, Dr Badorul Hisham Abu Bakar, Dr Choong Kok Keong 5. Analysis of the shape of shell and light space structures (<i>Kajian analisa bentuk struktur kekerang dan ruang ringan</i>), Short Grant USM ,Nov 01 – Okt 02, RM14,163.00, Dr Choong Kok Keong (leader) , Dr Megat Azmi Megat Johari, Dr. Taksiah A.Majid, Prof Madya Dr Abu Bakar Mohd Diah, Dr Badorul Hisham Abu Bakar. 6. Influence of mortar in the strength and deformation of brickwork (<i>Pengaruh mortar terhadap kekuatan dan ubah bentuk struktur batu bata</i>), Short Grant USM , Nov 01 – Okt 02, RM14,114.00, Dr Badorul Hisham Abu Bakar (leader) , Dr Megat Azmi Megat Johari, Dr. Taksiah A.Majid, Prof Madya Dr Abu Bakar Mohd Diah, Dr Choong Kok Keong 7. Seismic Hazard Analysis of the Pulau Pinang and Kuala Lumpur due to Sumatran Earthquakes, 1 April 2004 – 31 Mac 2006. RM 18,143.00, Assoc. Prof. Dr. Taksiah A.Majid (leader), Dr Megat Azmi Megat Johari, Dr Badorul Hisham Abu Bakar, Dr Choong Kok Keong, Dr Mohd Zaid Yusof. 8. Analysis on Structural Integrity and Stability of a High Rise Building Subjected to Hydraulic Loading from Rooftop Rainwater Harvesting (RRWH) Storage, 1Sept 04 – 31 Ogos 06, RM 8,635.00(agihan pertama), Mr Lau Tze Liang (leader), Assoc. Prof. Dr. Taksiah A.Majid, Dr Choong Kok Keong, Assoc. Prof. Dr. Nor Azazi Zakaria, Assoc. Prof. Dr. Aminuddin Abd. Ghani
	<ol style="list-style-type: none"> 9. Investigation on Mechanics of Folded Shell-Like Surface found in Nature, 1Sept 04 – 31 Ogos 06, RM6,550.00 (agihan pertama), Dr Choong Kok Keong (leader), Assoc. Prof. Dr. Mani Maran Ratnam, Assoc. Prof. Dr. Taksiah A.Majid, Dr Badorul Hisham Abu Bakar 10. Study on Irregularities of Building Structures in Penang under the effect of Long Distance Sumatran Earthquakes, RM 17 520 , 1 Oct 2005 – 30 Sept 2007, Mr. Shaharudin Shah b. Zaini, Dr. Choong Kok Keong, Mr. Lau Tze Liang, Assoc. Prof. Dr. Taksiah A.Majid. 11. Vulnerability of reinforced concrete tall building due to Sumatran Earthquake, RM19,520, Assoc. Prof. Dr. Taksiah A.Majid (leader), Mr. Shaharudin Shah b. Zaini.

1.4	Other Publications
A.	<p>CAI/Multimedia</p> <ol style="list-style-type: none"> 1. T.A.Majid, K.C.C.Fook, (2001), CBeams, Structural Analysis Software, Pusat Pengajian Kejuruteraan Awam, USM.
B.	<p>Mass Media</p> <ol style="list-style-type: none"> 1. T.A.Majid, 19 Jan 2000 , Discussion on Science , The role of Civil Engineering Reseacher in Our daily Life, (<i>Sembang –sebang Sains, Peranan Penyelidik Kej. Awam dalam Kehidupan Kita</i>), Radio 3, Ipoh. 2. Newspaper Article on “Malaysia tidak mempunyai kod khusus tahan gempa”, Bendong Risiko Tsunami, Mingguan Malaysia, Ahad, 2 Januari 2005, page 6 3. Newspaper Article on “Tsunami – Siri 1” , Kwong Wah Yit Poh, Saturday , 8 January 2005 4. Newspaper Article on “Tsunami – Siri 2” , Kwong Wah Yit Poh, Sunday , 9 January 2005 5. Newspaper Article on “Tsunami – Siri 3” , Kwong Wah Yit Poh, Monday , 10 January 2005 6. Newspaper Article on “ Pergerakan plat tektonik bumi punca gegaran”, Utusan Malaysia, 30 Mac 2005 7. Newspaper Article on “ Trend gegaran meningkat”, Utusan Malaysia, 31 Mac 2005 8. Newspaper Article on “ Struktur bangunan mampu tahan gegaran”, Utusan Malaysia, 31 Mac 2005 9. Newspaper Article on “ Sedia hadapi gempa, tsunami”, Utusan Malaysia, 3 April 2005 10. Rancangan “Agenda – Disaster Mitigation” , Saturday, 9.00 mlm – 10.mlm , 14 May 2005, ASTRO, Channel 92 11. Facing a shaky future: Guidelines for engineers, “New Straits Times, Tuesday, November 15, 2005.

2.0	TEACHING AND SUPERVISION
A.	<p data-bbox="284 264 539 293">Graduate Supervision</p> <p data-bbox="284 338 384 367">(a) PhD</p> <ol data-bbox="284 376 1406 801" style="list-style-type: none"> 1. Siti Aminah Osman , (2005), Numerical prediction for wind loads on buildings using FEMLAB, UKM, Abd Khalim Abd rashid (supervisor), T.A.Majid(co-supervisor) 2. Mohd Ahmed Mubarak Bawadi, (2005), Evaluataion of wind turbine potentiality and its feasibility in generating energy in low wind speed regions, W.M.A.W.Hussin (supervisor) T.A.Majid (co-supervisor) 3. Hanizam Awang, (2005 in progress) Develoment of High Performance Lightweight Concrete, Prof. Ir. Wan Hamidon Wan Badaruzzaman, UKM (supervisor), Assoc. Prof Dr. Muhammad Fauzi Mohd. Zain , UKM (co-supervcisor) , Assoc. Prof. Dr. Taksiah A.Majid (co-supervisor) 4. Suhailah Md Nor, (2005 in progress) Structural Pounding of Building in Penang due to Sumatran earthquake, Azmi Ibrahim, UiTM (supervisor), T.A.Majid (co-supervisor) 5. Suhail Abdulaziz Abdul Razzack, (1 Feb 2004 – 31 Jan 2009), Analysis, design and prediction of space structures deflection by applying neural networks, Dr. Choong Kok Keong (supervisor), Assoc. Prof. Dr. Taksiah A.Majid (co-supervisor) 6. Yeoh Shao Leong, (1 Ogos 2006 – 31 Jul 2011), A computational Study on the structural Behaviour of Mega-Frame Structural System, Dr. Choong Kok Keong (supervisor), Assoc. Prof. Dr. Taksiah A.Majid (co-supervisor) <p data-bbox="284 904 416 934">(b) Master</p> <ol data-bbox="284 943 1406 1480" style="list-style-type: none"> 1. Md. Mohsin Ata (1998), Vibration and buckling analysis of laminated plate and shell structures by transversely curve finite strip, Assoc. Prof. Sabarudin Mohd (supervisor) T.A.Majid (co-supervisor) 1. Gerald A/L Sundaraj, (Mei 2002), Wind data Validation and Prediction of Design Wind Speed for Malaysia. T.A.Majid (supervisor) 2. Kamran Shavarebi Ali (Nov 2002), The effect of Mining Sand on Concrete Performance , Assoc. Prof. Abu Bakar Mohd Diah (supervisor), T.A.Majid (co-supervisor) 3. Ade Faisal,(Ogos 2003), Analysis of Seismic Force on the tall building in Kuala Lumpur and Penang due to Sumatran Earthquakes, T.A.Majid (supervisor) 4. Shwan Jalal Abdulla (Apr 2004), Analysis of Steel Frames Considering Connection Flexibility , C.K.Keong (supervisor), T.A.Majid (co-supervisor) 5. Nur Rafiza bt. Amran, Analysis of Tall Building under Dynamics Loading (part time 2004 – 2008) 6. Mohd Rashwan Arshad , (1 Julai 2005 – 2007) Earthquake effects on Tall building at Alor Setar, T.A.Majid (supervisor) 7. Fadzli bin Mohd Nazri, (1 Julai 2005 – 2007) Develoment of response spectrum for Penang and Alor Setar , T.A.Majid (supervisor) 8. Lau Heng Nam, (1 Feb 2006 – 31 Jan 2009) Seismic And Damage Analyses Of Non-Seismically Designed Highrise R.C. Framed Structures On Penang Island, T.A.Majid (supervisor) 9. Norazam Ab. Samah (1 Jun 2006 – 31 Mei 2009) Safe Shelter Building in disaster Area , T.A.Majid (supervisor) <p data-bbox="284 1514 719 1543">(c) Master Dissertation (Mixed Mode)</p> <ol data-bbox="284 1552 1406 1821" style="list-style-type: none"> 1. Noram Irwan Ramli, (2005), Determination and Validation of terrain height multiplier for Type 3: suburban area for MS1553:2002. 2. Noorhazlinda Abd Rahman, (2005), The change of Lateral Deflections due to wind load actions on tall concrete building with shear wall system 3. Suhailah Mohamed Noor, (2005), Effect of aspect ratio on lateral deflection and floor to floor drift for the wall frame structures. 4. Sharrul Bariah bt Abu Bakar, (2006) , Effect of Frequency on Lateral Deflection For the Wall-Frame Structures. 5. Saeed Saif Salem AlMauwali, (2007), Determination Of Basic Wind Speed For Building Structures In Oman, T.A.Majid <p data-bbox="284 1865 651 1895">(d) Project (Coursework Mode)</p>

	<ol style="list-style-type: none"> 1. Syahrul Fitri Senin, (2000), Validation of basic wind speed for bulding in Malaysia (<i>Kajian pengesahan data halaju angin asas untuk struktur bangunan di Malaysia</i>), T.A.Majid (supervisor) 2. Lee Ying Foong , (2000), Analysis of 13 storeys building using hand calculation and Robot97 software (<i>Analisis bangunan tinggi 13 tingkat menggunakan penganalisaan manual dan perisian komputer Robot97</i>), T.A.Majid (supervisor) 3. Hui Wei Tuck, (2000), Analysis and Design of Elevated Water Tank at Kota Lama Kiri loji, Kuala Kangsar , Perak (<i>Analisis dan rekabentuk menara tangki air di loji Kota Lama Kiri, Kuala Kangsar, Perak</i>), T.A.Majid (supervisor) 4. Lau Tze Liang, (2001), Modeling of Reinforced Concrete Tidal Gate Structure for Flood Mitigation Project in Chain Ferry, Seberang Perai Utara, Pulau Pinang using STAAD-III, (<i>Pemodelan Struktur Pintu Air Konkrit Bertetulang untuk projek tebatan banjir di Chain Ferry, Seberang Perai Utara, Pulau Pinang dengan menggunakan perisian STAADIII</i>) , T.A.Majid (supervisor) 5. Noridah Mohamad, (2002), Analysis of the effect of terrain roughness on the tall building based on Malaysian Standard and British Standard (<i>Analisa kesan kekasaran tanah keatas bangunan tinggi menggunakan kod piawaian Malaysia dan kod piawaian British</i>), T.A.Majid (supervisor) 6. Balamurugam A/L A.Gopal, (2002), A computational Statistical Analysis of Daily and Hourly Wind Speed For the Bayan Lepas and Butterworth Meteorological Stations. T.A.Majid (supervisor) 7. Kevin Christian Nair, (2003), A computational Statistical Analysis of Daily and Hourly Wind Speed For the Seberang Jaya Telecommunication Tower, T.A.Majid (supervisor)
	<ol style="list-style-type: none"> 8. Bashar S. Mohammed, (2003), Wind Speed Profile at Seberang Jaya station and USM Engineering Campus . T.A.Majid (supervisor) 9. Norhaiza Nordin, (2003), A Structural Analysis on the Impact of water load from rooftop rainwater harvesting tank on a 13- storey building, T.A.Majid (supervisor) 10. Shaharudin Shah Zaini, (2003) , A volume changes in vertical concrete members in tall building using 3 structural forms (<i>Perubahan isipadu konkrit anggota tiang dan dinding ricih bangunan tinggi menggunakan 3 formasi struktur</i>). T.A.Majid (supervisor) 11. Aizam Yusoff, (2005) – part time, “ A Study on the characteristics of thunderstorm at Telekom Malaysia Communication Tower, Seberang Jaya, Penang”, <p>MSc by coursework has been replaced by MSc by mixed mode in Sem I 04/05, Jun 2004</p>

B. Undergraduate Supervision**(a) Final Year**

1. Koo Hian Lun, 1997, Test on the structural strength on the palm oil trunk (*Ujian Kekuatan struktur ke atas kayu pokok kelapa sawit*).
2. Kuek Kien Sin, 1997, Computer Software for the design of continuous beam (*Perisian komputer untuk rekabentuk rasuk berterusan*).
3. Rasid Ali (PPJJ), 1998, Laminated Ply web Beams (*Rasuk papan lapis berlamina*).
4. Wong Kin Wah, 1998, Effect of the various thickness of concrete cover other than fire resistance and durability using STAADIII software (*Kajian kesan perubahan ketebalan penutup terhadap rasuk bertetulang selain daripada rintangan api dan ketahananlasakan dengan menggunakan perisian STAADIII*).
5. Saw Wooi Koon, 1998, , Effect of the various thickness of concrete cover other than fire resistance and durability in the laboratory, (*Kajian kesan perubahan ketebalan penutup terhadap rasuk bertetulang selain daripada rintangan api dan ketahananlasakan melalui ujian makmal*).
6. Stephen Tan Boon Kean, 1999, Design of industrial building using STAADIII and manual calculation (*Rekabentuk bangunan industri dengan menggunakan STAADIII dan pengiraan manual*).
7. Chow Guan Hock, 1999, Study on the effect of various location of loading on beam using STAADIII and laboratory work. (*Kajian kesan variasi susunan beban keatas rasuk dengan ujikaji makmal dan perisian STAADIII*).
8. Li Lea Pieng, 1999, A study of simple concrete frame using STAADIII, theoretical analysis and laboratory work. (*Kajian konkrit kerangka satu ruang dengan menggunakan STAADIII, pengiraan teori dan makmal*).
9. Aw Soon Lee, 1999, A study of simple concrete frame using STAADIII and laboratory work (*Kajian kesan susunan beban ke atas kerangka satu ruang dalam makmal untuk dibandingkan dengan STAADIII*).
10. Lee Ewe Shoon, 1999, Comparison study between the STAADIII, theoretical analysis and laboratory work for the continuous beam (*Perbandingan keputusan dari segi nilai teori, output perisian STAADIII dan keputusan makmal terhadap rasuk selanjara*).
11. Ng Swee Choon, 1999, Laboratory testing and STAADIII analysis on the fixed ended continuous beam (*Kajian makmal rasuk berserenjang hujung terikat dan perbandingan keputusan dengan perisian komputer STAADIII*).
12. Tengku Zaihan Che Ku Abd Rahman, 1999, Analysis of concrete building using STAADIII and hand calculation (*Analisis rekabentuk bangunan konkrit menggunakan STAADIII dan pengiraan manual*).
13. Ahmad Amin Isa, 1999, Design of single storey terrace house using STAADIII and hand calculation (*Rekabentuk rumah teres satu tingkat menggunakan perisian STAADIII dan pengiraan manual*).
14. MPS Elango Vadiveloo, 1999, The effect of Wind Loads on Building in Malaysia (*Penggunaan beban angin keatas bangunan di Malaysia*).
15. Gerald A/L Sundaraj, 1999, Effect of earthquake on building in Malaysia (*Kesan gempabumi keatas bangunan di Malaysia*).
16. Azman Abd Rashid (PPJJ), 2000, The suitability and advantages of Shear Wall System in the Construction (*Kajian Kesesuaian dan Kelebihan Kaedah Pembinaan Sistem Dinding Ricih*).
17. Chong Yew Khee, 2000, Analysis and design of water retaining structure (*Analisis dan Rekabentuk Tangki Penakung Air*).
18. Yeoh Shao Leong, 2000, Design of commercial building using STAADIII (*Rekabentuk bangunan komersil dengan menggunakan STAADIII*).
19. Lee Joon Vui, 2000, Design of double storey terrace house using STAADIII (*Rekabentuk rumah teres dua tingkat dengan menggunakan STAADIII dan pengiraan tangan*).
20. Chai Hwa Kian, 2000, Analysis of various tall building systems using different concrete types using STAADIII (*Analisis pelbagai sistem bangunan tinggi untuk jenis konkrit berlainan dengan menggunakan perisian Robot97*).
21. Soong Chee Lim, 2000, Analysis of bungalow house using STAADIII (*Analisis bangunan banglow dua tingkat dengan menggunakan perisian STAADIII*).
22. Ngu Lock Tee, 2000, Comparison analysis on the behaviour of the cast in-situ sub-structure using STAADIII, hand calculation and Pile tests (*Perbandingan analisis kelakuan sub-struktur anggota cerucuk tuang in-situ antara STAADIII, pengiraan insani dan ujian beban cerucuk*).
23. Ch'ng Aik Keong, 2000, Development of Continuous beam software using Vbasic (*Pembangunan perisian Vbasic untuk rasuk selanjara*).
24. Mohamed Adib bin Abdul Hamid, 2001, Seismic study on the simple frame structure in Malaysia. (*Kajian Seismik ke atas Struktur Kerangka Mudah di Malaysia*).
25. Siti Mazlinah Abd. Rahim, 2001, Implication of Modular Coordination to the low-cost single storey terrace house (*Implikasi Koordinasi Modular untuk rumah teres setingkat kos rendah*).

26. Siti Azlina Ariffin, 2001, The use of Modular Coordination System in the construction industry for the double storey terrace house. (*Penggunaan sistem koordinasi Modular dalam industri pembinaan untuk rumah teres dua tingkat*).
27. Mardiana Martin, 2001, The use of Modular Coordination in the semi-detached house in Malaysia (*Penggunaan Koordinasi Modular di dalam perumahan unit berkembar di Malaysia*).
28. Joel Santhakumar Kovipillai, 2001, Comparison study on the effect of terrain roughness of the Wind Loading on the 25 storeys building based on British and American Code of Practice using Robot97. (*Perbandingan kesan kekasaran tanah ke atas beban angin diantara kod piawaian British dan Amerika untuk bangunan 25 tingkat dengan menggunakan perisian Robot97*).
29. Chong Chen Fook, 2001, Development of Cbeam2 programme for the analysis of continuous beam and compared to STAADIII software (*Pembinaan Program Analisis Struktur Cbeam2 untuk analisis rasuk selanjur menggunakan Visual Basic 6 dan bandingan dengan program STAADIII*).
30. Tan Yoong Hooi, 2002, Design of Double storey Bungalow house using T-Beam and Rectangular Beam using STAADIII and hand calculation (*Rekabentuk Rumah Banglo Dua Tingkat Menggunakan Rasuk T dan Rasuk Segiempat Dengan STAADIII dan Pengiraan Tangan*).
31. Mohd Safri Jamaludin, 2002, Design and Analysis of Tall Building due to applied Wind and Earthquake Force using Robot Millennium (*Rekabentuk dan Analisa Bangunan Tinggi yang dikenakan beban Angin dan Seismik menggunakan Robot Millennium*).
32. Eng Kam Ho, 2002, Development of Boxcel Programme for the design of retaining wall (*Program Boxcel -Tembok Penahan*).
33. Nor Anita Muhamad, 2002, Causes and Effects of delay in construction project (*Punca dan Kesan Utama Kelewatan Projek Pembinaan*).
34. Chan U Nyat, 2002, Light weight concrete as future construction material in the environmental conservation and cost implication on the tall building (*Konkrit ringan sebagai bahan binaan pada masa hadapan dalam usaha memelihara alam sekitar dan kos implikasinya terhadap bangunan tinggi*).
35. Chow Yew Thong, 2002, Wind loads onto 5 storey building (*Kajian beban angin terhadap struktur bangunan lima tingkat*).
36. Ng Sanwayne, 2002, Study on the accuracy and suitability of ORION software in the effect of concrete grade in reinforced concrete design (*Mengkaji kejituan dan kesesuaian perisian Orion dan kesan gred konkrit terhadap rekabentuk tetulang*).
37. Cheong Wai Nang, 2002, Curtain-wall system in tall building (*Sistem dinding langsir dalam bangunan tinggi*).
38. Fifteen final year students, 2002, Malaysian Structural Steel Association, (MSSA) Undergraduate Prize Awards For Structural Steel Design 2001/2002, MSSA Convention & Exhibition 2002, Palace of the Golden Horses, Kuala Lumpur, 20 – 21 August 2002.

Notes : no final year project for year 2003 due to transition period for 3 years undergraduate programme to 4 years programme except PPJJ

39. Loh Woei Nian, 2004, Behaviour of the Steel Frame Structure Under Wind And Earthquakes Forces Using STAAD III.
40. Md Shamsul Md Yusof, 2004, Perbandingan Menara Telekomunikasi Empat Kaki dan Tiga Kaki Pada Ketinggian 60 Meter Dengan Menggunakan perisian STAAD III
41. Mohd Zul Izzy Mohd Nor, 2004, Wind Loads Onto Telecommunication Tower Using STAAD III
42. Ng Sok Fern, 2004, Behaviour of the 8 Storey Flat Building Under Wind and Earthquake Forces using STAAD III
43. Norlia Mohamad Ibrahim, 2004, Kajian Kelakuan Menara Penyokong Tangki Air Keluli Di Bawah Tindakan Beban Angin Menggunakan STAAD III
44. Wong Low Hong, 2004, Beban Angin Ke Atas Bangunan industri Satu Tingkat dan Dua Tingkat Berdasarkan MS1553, 2002 Menggunakan STAAD III
45. Chua choon Meng, 2005, Rekabentuk Kerangka Portal dibawah beban angin
46. Fadzli bin Mohamed Nazri, 2005, Analisis Kerangka Portal Keluli Secara Manual dan Perisian S-Frame
47. Lim Kang Hai, 2005, Analisis Huyungan Bangunan Tinggi untuk pelbagai formasi struktur dibawah tindakan beban angin
48. Lim Saw Hoon, 2005, Analysis and Design of the Roof Trusses for a wide-Span Hangar
49. Mohd Rashwan bin Arshad, 2005, Rekabentuk Bangunan Pejabat Dua Tingkat dengan menggunakan STAADIII dan secara manual
50. Syed Mohd Syawal bin Syed Ahmad, 2005, Analisis dan Rekabentuk Dewan Serbaguna Mahkamah Kuala Terengganu berasaskan binaan struktur kerangka portal
51. Nin Ka Yik, 2006, Effect of Different Load Combinations on Self-supporting Lattice Telecommunication Tower
52. Liow Syuk Chin, 2006, Investigation on the behaviours of buried structural arch culvert for varying rise/span ratio.
53. Razali bin Mohd Shaili, 2006, Pengumpulan Data tahap Gempa Bumi yang berlaku dan risikionya terhadap kepelbagaian struktur bangunan di Georgetown (Zon Tengah)
54. Mohd Musa bin Hashim, 2006, Study on building irregularities in Georgetown (East zone) using Rapid Sceering Procedure (RSP).
55. Ch'ng Beng Wei, 2006, Comparison of the behaviour high rise building under wind and seismic loading.

56. Chia Ching Shyang, 2006, Comparison of the behaviour high rise building under wind and seismic loading.

(b) **Industrial training/Practical**

1. Industrial Training Visit , Semester 96/97, 10-15 Mac 1997, Alor Setar and Pulau Pinang.
2. Supervise student UPM (Norizan Mat Diah), Industrial Training , 16 Mac – 23 Mei 1998, PPKA, USM-KCP
3. Industrial Training Visit, Semester 99/2000, 9-13 April 2000, Kelantan.
3. Industrial Training Visit, Semester 2000/01, 23-25 April 2001, Ipoh, Perak
4. Practical Training II (*Latihan Praktik II*), Ice-Cream Stick Bridge Design Challenge, 13-16th November 2000, PPKA, USM-KCP
5. Engineering Practices (*Amalan Kejuruteraan*), 11 Mac – 5 April 2002, AutoCAD – R14, Pusat Komputer USM Nibong Tebal.
6. Engineering Practices (*Amalan Kejuruteraan*), 10 Mac – 4 April 2003, AutoCAD – R2000, Pusat Komputer, USM, Nibong Tebal
7. Engineering Practices (*Amalan Kejuruteraan*), 15 Mac – 9 April 2004, AutoCAD – R2000, Pusat Komputer, USM, Nibong Tebal
8. Engineering Practices (*Amalan Kejuruteraan*), 21 Mac – 15 April 2005, AutoCAD – R2000, PPKA, USM, Nibong Tebal

3.0	SERVICE TO THE UNIVERSITY
A.	<p>Administration</p> <ol style="list-style-type: none"> 1. Programme Coordinator, Collaborative Education on Diploma in Civil Engineering (<i>Penyelaras Program Kawalselia Diploma Kejuruteraan Awam</i>, USM-Institut Teknologi Pertama ITP, 1Jun 2000 – Okt 2002(given the permission by LAN but ITP withdrawn from the programme) 2. Programme Chairman, Structural Engineering Programme, School of Civil Engineering, USM, 26 Mac 2003 – 25 Mac 2005. 3. Acting Deputy Dean of Postgraduate Studies and Research, School of Civil Engineering, USM, 19 Jan 2004 – 11 Feb 2004. 4. Deputy Dean of Graduate Studies and Research, School of Civil Engineering, USM, 24 Mac 2005 – 24 Mac 2007
B.	<p>University Committee (Named As Member)</p> <ol style="list-style-type: none"> 1. School Board Members, School of Civil Engineering (<i>Ahli Majlis Pusat Pengajian Kejuruteraan Awam</i>), 1996 – till now 2. School Board Members, School of Electrical and Electronic Engineering (<i>Ahli Majlis Pusat Pengajian Kejuruteraan Elektrik dan Elektronik</i>), 1/2/97 – 31/12/97 3. School Board Members, School of Electrical and Electronic Engineering (<i>Ahli Majlis Pusat Pengajian Kejuruteraan Elektrik dan Elektronik</i>), 12/5/2000 – 31/12/2000 4. School Board Members, School of Electrical and Electronic Engineering (<i>Ahli Majlis Pusat Pengajian Kejuruteraan Elektrik dan Elektronik</i>), 2001 – 2003 5. Jawatankuasa Penyelaras Pengajian Siswazah, 2005 -2007 6. Jawatankuasa Eksekutif Kejuruteraan dan Teknologi, 2005 - 2007 7. Jawatankuasa Penyelaras Tesis Mod Campuran, 2005 - 2007 8. Jawatankuasa Penyelaras Kejuruteraan, 2005 - 2007 9. Jawatankuasa Program “Headstart” Kampus Kejuruteraan, 22 Mac 2006

<p>C.</p>	<p>School Committee (Named As Member)</p> <ol style="list-style-type: none"> 1. Structural Laboratory Supervisor (<i>Pengurus Makmal Struktur</i>) , 1997 –2001 2. Committee members of the Practical Training I/II (<i>Latihan Praktik I/II</i>), 1997 – 2000 3. Committee members of Computer Matters (<i>Hal Ehwal Komputer</i>) ,1997 – 2000 4. Committee members of Laboratory and Inventory (<i>Makmal dan Inventori</i>), 1997 – 2001 5. Committee Members of Multimedia and CAI (<i>Pembangunan Multimedia dan CAI</i>), 1998 – 2001 6. Facilitator (Kumpulan Mutu Kerja) KMK's Group – Management System of Inventory (<i>Sistem Pengurusan Inventori Secara Berkumpulan</i>), 1998 – 1999 7. Committee members of Research, PPKA , Julai 2001 – 2002 8. Committee members of CAI/Multimedia and Computer Matters (<i>Pembangunan CAI/Multimedia & Hal Ehwal Komputer</i>), Julai 2001 – 2003 9. Chairman of Committee members of School Brochures (<i>Pengerusi J/K Kecil Brosur Pusat Pengajian Kej. Awam</i>), PPKA, USM Kampus Kejuruteraan, 12 Jun 2003 10. Committee members of School Exhibition at MRSM KULIM, (<i>Persiapan untuk Pameran PPKA di MRSM KULIM</i>), Kedah, 19 Jun 2003 11. Panel of Viva session – MSc by coursework (<i>Panel Sesi Viva Pelajar MSc Kerja Kursus</i>) Zulkifli b. Ayub, PPKA, USM Kampus Kejuruteraan, 12 Jun 2003 12. Panel of Industrial Training Seminar (<i>Panel Seminar Latihan Industri</i>), PPKA, USM Kampus Kejuruteraan, 21 – 25 Julai 2003 13. Panel of Continous Graduates Seminar (<i>Panel Seminar Berterusan Pelajar Ijazah Tinggi</i>), PPKA, USM Kampus Kejuruteraan, 13 Ogos 2003 14. Committee members of Safety and Health (<i>Keselamatan & Kesihatan</i>), Mac 2003 – 30 Jun 2004 15. Committee members of Laboratory and Inventory (<i>Makmal & Inventori</i>), Mac 2003 – 30 Jun 2004 16. Committee members of Graduates and Research (<i>Pengajian Siswazah & Penyelidikan</i>), Mac 2003 – 30 Jun 2004 17. Committee members of Final Year Project (<i>Projek Tahun Akhir</i>) , Mac 2003 – 30 Jun 2004 18. Committee members of Final Year Project (<i>Projek Tahun Akhir</i>) , 1 Julai 2004 – 30 Jun 2005 19. Committee members of Time Table (<i>Jadual Waktu</i>) , 1 Julai 2004 – 30 Jun 2005 20. Committee members of Publication (<i>Penerbitan</i>) , 1Julai 2004 – 30 Jun 2005 21. Committee members of Safety and Health (<i>Keselamatan & Kesihatan</i>), 1 Julai 2004 – 30 Jun 2005 22. Committee members of Laboratory and Inventory (<i>Makmal & Inventori</i>), 1Julai 2004 – 30 Jun 2005 23. Laboratory and Inventory of Graduates and Research (<i>Pengajian Siswazah & Penyelidikan</i>), 1 Julai 2004 – 30 Jun 2005 24. Panel of Viva session – MSc by Mixed Mode(<i>Msc in Structural Engineering</i>) PPKA, USM Kampus Kejuruteraan, 11 Mac 2005 25. Panel of Final Viva with external examiner – MSc by Mixed Mode(<i>Msc in Structural Engineering</i>) PPKA, USM Kampus Kejuruteraan, 16 May 2005 26. Hari Warga Staf Kampus Kejuruteraan – Kumpulan Kekwa, 16 December 2005 27. Advisor, 1st Civil Engineering Colloquium 2006 (CEC'06), 24 – 25 th May 2006
<p>D.</p>	<p>University Representation for Sport and Other Non Academic Activities</p> <ol style="list-style-type: none"> 1. Committee members for the Indonesia-Malaysia and Thailand – Growth Triangle (IMT-GT), sector : 'Technology and Value Added-Products' (1998) 2. Facilitator for 15 Students – Malaysian Structural Steel Association,(MSSA) Undergraduate Prize Awards For Structural Steel Design 2001/2002, have won First Prize for non stayed cabled bridge, MSSA Convention & Exhibition 2002, Palace of the Golden Horses, Kuala Lumpur, 20–21 August 2002. 3. Coordinator for 12 Groups of PPKA Students: Asia –Pacific Bridge Model Competition UTM 2003 have won First Prize (USD1000) and Second Prizes (USD750) , UTM, Johor Bahru, 4. Facilitator for 10 Students – Malaysian Structural Steel Association,(MSSA) Undergraduate Prize Awards For Structural Steel Design 2003/2004, Final Presentation, have won 3rd Prize JKR HQ, Kuala Lumpur, 10 July 2004. 5. Lawatan ke tapak pembinaan Steel Arch Bridge for Pulau Bunting, Lumut under MSSA, 22 Mei 2004 6. Mengetuai pelajar ke JKR, "Undergraduate Prize Awards For Structural Steel Design 2003/2004- Final Presentation, JKR HQ, K.Lumpur, 10 Julai 2004 7. Coordinator Lawatan Teknikal ke Jambatan Pejalan Kaki Precint 5, Putrajaya, 24 Julai 2004 8. Ahli Jawatankuasa antara Agensi berkenaan Kajian Bahaya dan Risiko Gempabumi di Malaysia, 18 Mac 2005, JKR Cawangan Pakar dan Kejuruteraan Awam, Kuala Lumpur 9. Mengetuai Rombongan pelajar ke Ceramah Teknikal "Diagnosis of Structural Distress" oleh Dato' Prof. Ir. Dr.Wahid Omar, TKP1, JKR, USM Penang, 23 Sept 2004 10. Lawatan pelajar ke Tapak Projek Pembinaan Empangan Sungai Kinta, Perak, 1 Okt 2004

11. Coordinator Lawatan Persatuan Kej. Awam ke Putrajaya, 11 Disember 2004
12. Peserta Bengkel "Outcome Based Education (OBE)", Bukit Merah Lake Town Resort, Jabatan Pendaftar USM, Kampus Kejuruteraan, 3 – 5 April 2005
13. Ahli Jawatankuasa Teknikal bagi penentuan Kriteria Penilaian Kapsiti Struktur ke atas daya gempa bumi-Bil 1, 15 April 2005, JKR Cawangan Pakar dan Kejuruteraan Awam, Kuala Lumpur
14. Invited participant for Workshop on Disaster reduction through the improvement of building quality, Banda Aceh, Sumatra, 17-19 April 2005
15. Peserta Strategic Planning Workshop, Structural Earthquake Engineering Research (SEER) UTM – CIDB, First World Hotel, Genting Highland, 21 – 24 April 2005
16. Peserta Seminar "Tsunami, Its Effects, Relief & Defense Work", Kompleks Masyarakat Penyayang, Penang, IEM (Penang Branch), 28 April 2005
17. Ahli Jawatankuasa Teknikal bagi penentuan Kriteria Penilaian Kapsiti Struktur ke atas daya gempa bumi-Bil 2, 6 May 2005, JKR Cawangan Pakar dan Kejuruteraan Awam, Kuala Lumpur
18. Peserta Latihan "Hands-on" Penggunaan ATC21 & ATC22 Seismic Structural Evaluation of Building, 21 – 22 Jun 2005, JKR Cawangan Pakar dan Kejuruteraan Awam, Kuala Lumpur
19. Peserta Short Course on "Earthquake Design Considerations of Buildings & Structures, EEM Advancement Centre Pte Ltd, Swiss-Garden Hotel, Kuala Lumpur, 25-26 July 2005
20. Mengetuai Lawatan pelajar Master in Structural Engineering ke Sultan Abdul Halim Airport, Alor Setar, Kedah, Malaysian Structural Steel Association (MSSA), 30 July 2005
21. Ahli Jawatankuasa Teknikal bagi penentuan Kriteria Penilaian Kapsiti Struktur ke atas daya gempa bumi-Bil 3, JKR Cawangan Pakar dan Kejuruteraan Awam, Kuala Lumpur, 12 Ogos 2005
22. Ahli Jawatankuasa antara Agensi-Agensi kali ke 6 mengenai pengurusan risiko gempa bumi, Kementerian Sains, Teknologi dan Inovasi, Putrajaya, 5 Sept 2005
23. Peserta Seminar " Software Technology for Building Design" , CSCWORLD Malaysia, Holiday Villa Subang Hotel, Kuala Lumpur, 20 Sept 2005

4.0	COMMENDATION AND ACADEMIC LEADERSHIP
A.	<p data-bbox="284 275 480 300">Academic Award</p> <ol data-bbox="284 367 1406 846" style="list-style-type: none"> 1. The Institution of Civil Engineers (ICE) 's Prize for Civil Engineering Students for Outstanding undergraduate work in Civil Engineering, 1990, ICE, U.K. 2. Excellent USM Engineering-Research Award (<i>Anugerah Kecemerlangan Penyelidikan Kejuruteraan USM</i>), 1999, Yayasan Perak, Malaysia 3. Best Staff in Academic for Management & Professional Group (<i>Penghargaan Kakitangan Terbaik bagi Kumpulan Pengurusan dan Professional - Akademik</i>, 1998, School Of Civil Engineering, USM-KCP . 4. Salary Increment / promotion (<i>Penghargaan Pergerakan Gaji Menegak</i>), 2000, USM. 5. Best Staff in Academic for Management & Professional Group (<i>Penghargaan Kakitangan Terbaik bagi Kumpulan Pengurusan dan Professional-Akademik</i>), 2001, School Of Civil Engineering, USM-Eng Campus. 6. Excellent Services Award (<i>Anugerah Khidmat Cemerlang 2002</i>), 23 April 2003, USM 7. The Most Informative Papers, Seminar Teknikal JKAS-JPZ 2005, 18 Ogos 2005, UKM Bangi 8. Pemberian Anjakan Gaji bagi Tahun 2005, 1 Oktober 2005, USM 9. Pencalonan Anugerah Pendidik Cemerlang 2005, Pusat Pengajian Kejuruteraan Awam 10. Ahli Lembaga Penasihat Jabatan Kejuruteraan Awam, Universiti Tenaga National (Feb 2006 – Feb 2008)
B.	<p data-bbox="284 880 1145 904">Academic Accessor/External Examiner/Internal Examiner/ Thesis Examiner</p> <ol data-bbox="284 949 1406 1415" style="list-style-type: none"> 1. Master , 1999, Vibration and buckling analysis of plate and shell structures using shear deformable finite strips method, USM, Salaheddin Taher Mohamed , (Internal Examiner) 2. Master , 2000, Analysis of fractured mechanics for Electronic Package (<i>Analisis mekanik kepatahan untuk pakej Elektronik , USM, Abdus Samad Mahmud</i> (Internal Examiner) 3. Master by coursework, 2000, Effect of spacer in concrete strength (<i>Kesan penggunaan peruang (spacers) di dalam konkrit ke atas kekuatan konkrit</i>), USM, Sudharshan A/L Raman (Internal Examiner) 4. Master , 2000, Static and Fatigue Behaviour of Trapezoid Web Plate Girder , UTM, Izni Syahrizal bin Ibrahim (External Examiner) 5. Master by coursework, 2001, A kes study on the Robot millineum software (<i>Satu Kajian keatas penggunaan perisian Robot millennium sebagai satu alat dalam penentuan topologi struktur</i>), USM , Ng Teck Hin (Internal Examiner) 6. Master by coursework, 2001, Development of relationship between the Section Modulus and Point of Contraflexure for the determination of suitable size of column in tall building (<i>Mendapatkan hubungan antara ketegaran ricih (GA) dan kedudukan titik kontralentur (λ) untuk kerangka bangunan tinggi dalam menentukan saiz rasuk dan tiang yang sesuai</i>), USM, Norisham Ibrahim (Internal Examiner)

	<ol style="list-style-type: none"> 7. PhD, 2001, Prediction of the Life-span of concrete based on the rate of Carbonation (<i>Telahan Jangka Hayat Struktur Konkrit Berdasarkan Kadar Pengkarbonatan</i>), USM, Muhd Fadhil Nuruddin, (Internal Examiner) 8. Master, 2002, Performance of Low and Medium-Rise Steel Frames Under Low Intensity Earthquake , UTM, Mohd Nur Asmawisham bin Alel (External Examiner) 9. Master, 2003, Deterministic Seismic Hazard and Vulnerability Assessment For Klang Valley , UTM, Tuan Norhayati bt Tuan Chik (External Examiner) 10. Master, 2003, Chloride Penetration and Sorptivity of Concrete Using Recycled Concrete Tile as Aggregates , UiTM, Shah Alam, Abdul Manaff Mohd. Jamil, (External Examiner) 11. PhD, 2004, Ahmad Ruslan Mohd Ridzuan, Peningkatan Kekuatan dan Ketahananlasakan Konkrit Kitar Semula, USM (Internal Examiner) 12. Master, 2004, Buckling Analysis of Compression Member With Trapezoid Web, UTM, Tan Cher Siang (External Examiner) 13. Master, 2006, , Kajian kes ke atas amalan pelaksanaan kerja konkrit di tapak bina, USM, Mohd Suhail bin Ismail (internal examiner) 14. Master, Zulkefle bin Ismail, 2006, The evaluation of Prefabricated bathroom for high rise housing scheme in Malaysia, Kulliyah of Architecture and Environmental Design, International Islamic University Malaysia (External examiner) 15. Master, Khalimi Johan bin Abd Hamid, 2006, Pure Shear Buckling Effect of Twin-Deck Dry Board Sandwic Panel With Opening, ITEKMA UiTM, Shah Alam, (External Examiner) 16. Master, Sayed Mohamed Ajaj, 2007, Effects of cable diameter reduction and snapping on the behaviour of cable-stayed bridges, Universiti Putra Malaysia (external examiner)
C.	<p>Academic Journal Article Accessor/Paper Work Accessor/AJK Technical Accessor/Scientific</p> <ol style="list-style-type: none"> 1. Referee for Civil and Structural Engineering Technical Conference, The Second World Engineering Congress 2002 (WEC), 22-25 July 2002, Kuching, Sarawak. 2. Paper Work Accessor, Wan Hamidon Wan Badaruzzaman, 2001, <i>Kelakuan Indikatif Struktur Kekuda Keluli Berdinding Nipis</i>, National Conference on Civil Engineering , Persidangan AWAM 2001 4. Paper Work Accessor , Abdul Majid Ismail, 2001, Tropical Architectural Issues : Tall building, Wind stream and aeration (<i>Isu-isu Seni Bina Tropika : Bangunan Tinggi, Aliran angin dan Pengudaraan</i>), National Conference on Civil Engineering, Persidangan AWAM 2001 5. Paper Work Accessor, Mohd Salleh Jaffar, 2001, Non-linear Finite Element Analysis of Distressed Concrete Bridges, National Conference on Civil Engineering, Persidangan AWAM 2001 6. Paper Work Accessor, Siti Hamisah Tapsir, 2001, Life Cycle Costing : Multi-storey Residential Buildings, National Conference on Civil Engineering, Persidangan AWAM 2001
	<ol style="list-style-type: none"> 7. Paper Work Accessor, Abdul Aziz Saim, 2001, Ability of the Bending Moment in Trapezoid Web section and Normal Web section of Composite Beam (<i>Keupayaan Momen Lentur Keratan Web Trapezoid dan Keratan Web Normal bagi Rasuk Berkomposit Slim Floor</i>), National Conference on Civil Engineering, Persidangan AWAM 2001 8. Paper Work Accessor, Badorul Hisham Abu Bakar, 2001, Effect of Water Absorption On Deformation of Masonry, National Conference on Civil Engineering, Persidangan AWAM 2001 9. Panel Teknikal Proposal IRPA RMK8 UiTM, Hotel Concorde, Shah Alam, 27 Disember 2002. 10. Qualified user for Civil & Structural Computing (ASIA) Pte Ltd (CSC) softwares, PPKA, USM Kampus Kejuruteraan, 15 -22 April 2003 11. Pengerusi JK Protokol , 4th Short Course on Concrete Durability, Assessment, Maintenance and Repair Techniques , PPKA, USM Kampus Kejuruteraan, 22 – 24 Sept 2003 12. Pengerusi JK Protokol , 4th Short Course on Concrete Durability, Assessment, Maintenance and Repair Techniques , PPKA, USM Kampus Kejuruteraan, 4-6th Oct 2004 13. Organizing Committee, 1st Short Course on Design of Masonry Structures, 13-14 June 2005, Harvard Suasana Hotel, Bedong, Kedah 14. Chairman of Organizing Committee, Short Course on Earthquake for Professionals, 14-15 Nov 2005, (JKR HQ) and 17-18 Nov 2005 , USM Minden 15. Subject Matter Expert for Structural Analysis (EBVS4103), Semester September 2005, Open University Malaysia (OUM) 16. Tutor for Structural Analysis (EBVS4103), Semester September 2005, Open University Malaysia (OUM)

D.	Invited Speaker
	<ol style="list-style-type: none"> 1. Abu Bakar Mohd.Diah, Taksiah A.Majid, (1999), Concrete Quality Control, Short Courses - Pengawalan Kualiti Konkrit, USM . 2. Taksiah .A.Majid, (2000), Introduction to Modular Coordination, (Module 1), CIDB, Hotel Grand Continental, Alor Setar. 3. Mohd Salleh Jaffar, Taksiah A.Majid, (30 Julai –1 Ogos 2001) , Modular Coordination in Building, SNC7- (Module 2), Program Latihan Kejuruteraan Untuk JKR Tahun 2001, Institut Latihan dan Pendidikan Kembangan (IKRAM), Kajang. 4. Mohd Salleh Jaffar, Taksiah A.Majid, (9 November 2001)– Introduction Course on Modular Coordination, Lembaga Pembangunan Industri Malaysia (CIDB), USM. 5. Mohd Salleh Jaffar, Taksiah A.Majid, (28 Mei –30 Mei 2002), Modular Coordination in Building, SNC7- (Module 2), Lembaga Pembangunan Industri Malaysia (CIDB), CIDB Wilayah Sarawak, Kuching. 6. Mohd Salleh Jaffar, Taksiah A.Majid, (1–3 Julai 2002), Modular Coordination in Building, SNC7- (Module 2), Lembaga Pembangunan Industri Malaysia (CIDB), Hotel Primula, Kuala Terengganu
	<ol style="list-style-type: none"> 7. Mohd Salleh Jaffar, Taksiah A.Majid, (12 –14 Ogos 2002), Modular Coordination in Building, SNC7- (Module 2), Lembaga Pembangunan Industri Malaysia (CIDB), Hotel Villa, Alor Setar, Kedah. 8. Mohd Salleh Jaffar, Taksiah A.Majid, (28 –30 Okt 2002), Modular Coordination in Building, SNC7- (Module 2), Lembaga Pembangunan Industri Malaysia (CIDB), Selangor Industrial Corporation (SIC) Training Centre, Kota Damansara, Petaling Jaya, Kuala Lumpur. 9. Taksiah A.Majid, (22–24 Feb 2005), Promosi Sistem Binaan Berindustri (IBS) Wilayah Timur, Lembaga Pembangunan Industri Malaysia (CIDB), Hotel Primula, Kuala Terengganu. 10. Panel for the Television Programme “Agenda – Disaster Mitigation for Malaysia” , Saturday, 9.00 pm – 10.00pm , 14 May 2005, ASTRO, Channel 92 11. Invited Speaker for the Disaster’s Awareness Week for Seismost, earthquake and Tsunami in Malaysia, University of Malaya, 20 – 25th Jun 2005. 12. Invited Speaker on The Usage of Malaysian Standard of MS1553:2002 Code of Practice on Wind Loading for Building Structure, (25th June 2005) , IEM Penang Office 13. Invited Speaker and Facilitator for the Seminar and Dialog on The treat of Earthquake and Tsunami Disasters and Development of Strategic Planning, in Malaysia, Kuala Lumpur Convention Centre, 12 – 13th July 2005. 14. Invited Speaker, (19-21 July 2005), Promosi Sistem Binaan Berindustri (IBS Roadshow) Wilayah Sabah, Lembaga Pembangunan Industri Malaysia (CIDB), Hotel Regency Kinabalu, Kota Kinabalu, Sabah 15. Invited Speaker for National Workshop on Tsunami and Earthquake, (22-23 August 2005), UPM and Academy of Sciences, Malaysia , ShangriLa Hotel, Penang. 16. Invited Speaker, (26-28 Sept 2005), Promosi Sistem Binaan Berindustri (IBS Roadshow) Wilayah Sabah, Lembaga Pembangunan Industri Malaysia (CIDB), Holiday Inn, Kuching, Sarawak 17. Speaker for the Short Course on Earthquake for Professionals, 14-15 Nov 2005, (JKR HQ) and 17-18 Nov 2005 , USM Minden. 18. Speaker, (17-18 Sept 2005), Promosi Sistem Binaan Berindustri (IBS Roadshow) Wilayah Sabah, Lembaga Pembangunan Industri Malaysia (CIDB), Holiday Inn, Kuching, Sarawak 19. Speaker, (17 April 2006), Lembaga Pembangunan Industri Malaysia (CIDB) and Kementerian Pertahanan Malaysia, Hotel Promenade, Kota Kinabalu, Sabah

G. Professional/Academic Association (Committee/Member)

1. Technical Committee (TC2), 1998 - present and Deputy Chairman (2001 -present), Wind Loads On Building Structure, CIDB
2. Chairman of Working Group (WG1), 1998- present, Wind Loads On Building Structure, CIDB
3. Committee Member of Working Group (WG2), 1998 - present now, Wind Loads On Building Structure, CIDB
4. Council Member of Concrete Society of Malaysia, *Ahli Majlis & Pen. Setiausaha Kehormat*, 1999 , Persatuan Konkrit Malaysia (PERKOM) .
5. Member of Concrete Society , *Ahli Majlis*, 2000 - present , Persatuan Konkrit Malaysia (PERKOM)
6. Committee Member (Lab Coordinator) , 1996, Short Courses - Penghasilan Konkrit Bermutu, USM
7. Committee Member (Lab Coordinator), (1997), Short Courses - Penghasilan Konkrit Bermutu, USM
8. Secretariat, 1998, The International conference on the Humid Tropics 98, Ipoh, Perak.
9. Secretariat, 1999, Short Courses - Pengawalan Kualiti Konkrit, USM KCP, Perak.
10. Secretariat, 2000, National Conference on Civil Engineering 99, The Orient Star Resort, Lumut, Perak.
11. Treasurer, 2001, Seminar on the "Design, Construction & Maintenance of Steel Structures", Harvard Suasana Hotel, Harvard Golf & Country Club, Gurun , Kedah.
12. Secretariat, 5-8 Feb 2002, National Conference on Civil Engineering 2001, Star Cruises Gemini.
13. Committee Member of Opening Ceremony , 3rd National Conference on Civil Engineering (AWAM 2004) pada 20-22 Julai 2004, Copthorne Orchid Hotel, Penang
14. Committee Member of Protocol, 5th Short Course on Concrete Durability, Assessment, Maintenance & Repair Techniques, 4-6 Oktober 2004, PPKA.
15. Members for Working Group of Preparing Terms of Reference Berkenaan Kajian Bahaya dan Risiko Gempabumi di Malaysia, Perkhidmatan Kajicuaca Malaysia.
16. Modular Coordination Checking Software Trainer, 23 December 2003, CIDB, Kuala Lumpur
17. Committee Member of Working Group (WG) for the Development of MC/IBS Syllabus at IPTA under the ROADMAP IBS 2003 programme, 11 Jun 2004 - present, CIDB.
18. Committee Member of Expert for MC/IBS , 1 May 2005 - present, CIDB
19. Chairman of Organizing Committee USM for the Short Course on Earthquake for Professionals, 14-15 Nov 2005, (JKR HQ) and 17-18 Nov 2005 , USM Minden.
20. Chairman of Organizing Committee, National Conference on Civil Engineering, AWAM07, Helang Hotel, Langkawi, 29-31 May 2007.

5.0	CONSULTATION
A.	<p data-bbox="284 304 1034 331">Consultation With University/School/Personal Financial Incentive</p> <p data-bbox="284 394 794 421">(a) Responsibility in obtaining consultation</p> <ul style="list-style-type: none"> <li data-bbox="331 450 592 477">• Academic Oriented <ol style="list-style-type: none"> <li data-bbox="284 551 1406 656">1. Accredited Checkers for 27 storeys PKNPk , PKNPk, RM105,600.00 , Prof. Madya Dr. Sabarudin Mohd, Prof. Madya Dr Fauziah Ahmad, Prof. Madya Dr.Ir. Rosli Hamir, Prof. Madya Dr. Md.Azlin Md. Said, Prof. Madya Dr. Abu Bakar Mohd Diah, Prof Madya Tuan Haji Hashim Daud, Prof. Ganapathy, Dr. Taksiah. (1 Okt 97 – 31 Jan 98) <li data-bbox="284 658 1406 786">2. Development of Civil Engineering Syllabus for University Technology Petronas (UTP), UTP, RM 132,825.00 , Prof. Madya Dr. Sabarudin Mohd, Prof. Madya Dr Fauziah Ahmad, Prof. Madya Dr.Ir. Rosli Hamir, Prof. Madya Dr. Hamidi Abd. Aziz, Prof. Madya Dr. Meor Hamzah, Dr. Dini Ramya Hassan Basri, Dr. Mohd Sanusi S.Ahmad, Dr. Madzlan Napihah, Dr. Taksiah A.Majid. (Mac 1999 - Mac 2000) <li data-bbox="284 788 1406 916">3. Development of Civil Engineering Laboratory for University Teknologi Petronas (UTP), UTP, RM 1.3million , Prof. Madya Dr. Sabarudin Mohd, Prof. Madya Dr Fauziah Ahmad, Prof. Madya Dr.Ir. Rosli Hamir, Prof. Madya Dr. Hamidi Abd. Aziz, Prof. Madya Dr. Meor Hamzah, Dr. Dini Ramya Hassan Basri, Dr. Mohd Sanusi S.Ahmad, Dr. Madzlan Napihah, Dr. Taksiah A.Majid, etc (Mac 1999 - Mac 2000) <li data-bbox="284 918 1406 1001">4. Consultation work for Public Works Malaysia -IKRAM on “Public Awareness on Earthquake for Kumpulan IKRAM Sdn Bhd, RM 75,000, Prof. Madya Dr Taksiah A.Majid, Dr. Choong Kok Keong, Mr. Lau Tze Liang and Mr Shaharudin Shah Zaini (Jun 2005 – Nov 2005) <li data-bbox="284 1003 1406 1108">10. Consultation work for Public Works Malaysia on “ Establishment of Database of Existing Building for Seismic Hazard in Penang Island : Phase 1 – Building Irregularities and Soil Data Collecton ” RM43,000, Prof. Madya Dr Taksiah A.Majid, Dr. Choong Kok Keong, Mr. Lau Tze Liang and Mr Shaharudin Shah Zaini, (Oct 2005 – Mac 2006) <p data-bbox="284 1205 632 1232">(b) Consultation Involvement</p> <ol style="list-style-type: none"> <li data-bbox="284 1305 1406 1411">1. Structural Appraisal Report On Cracking Problem At Aras 2 Reinforced Concrete Beams of the Bilik Kuliah Block for the Proposed Politeknik Perlis Project. Ulu Pauh, Perlis., Konsortium BINTONG BBB Sdn. Bhd. RM15,000 , S.MOHD, B.H.ABU BAKAR, M.A.MEGAT JOHARI, T.A.MAJID (12 August 2002) <li data-bbox="284 1413 1406 1496">2. National Tsunami Early Warning System, Astronautic Technology (M) Sdn Bhd, RM20,000 , T.A.MAJID, Z.Z.TUAN HARITH, K.A. MOHD NOH, K.K.CHOONG, S.S.ZAINI, T.L.LAU (15 Dec 2005)
B.	<p data-bbox="284 1552 754 1579">Consultation Without Financial Incentive</p> <ol style="list-style-type: none"> <li data-bbox="284 1621 1406 1673">1. Investigation of the structural performance for Sekolah Agama Rakyat Taman Maju, Sri Iskandar, Tronoh,Perak,2001 <li data-bbox="284 1675 1406 1702">2. Wind Tunnel testing for model Menara Taming Sari , Malacca Culture Village, UiTM, July 2003 <li data-bbox="284 1704 1406 1731">3. Design of the Mosque, Projek Kompleks Masjid Al-Muttaqin, Bedong , Kedah , Feb 2004

6.0	COMMUNITY SERVICES
A.	<p>International Level</p> <ol style="list-style-type: none"> 1. Members of Asian-Earthquake Engineering Network organized by National Research Institute for Earth Science and Disaster Prevention, (NIED), Tokyo, Japan. 2. Malaysian Representative of Asean University Network/Southeast Asia Engineering Education Development Network (AUNSEED-Net jica), Workshop on Disaster Mitigation & Management in ASEAN countries, 3-5 August 2005, Phuket , Thailand 3. Asian Disaster Reduction and Response Network/ Global Open Learning Forum on Risk Education, ADRRN/GOLFRE Regional Learning Workshop “Disaster Risk Reduction: Learning from the Tsunami Experience” , 22-30 Nov 2005, USM Penang. 4. Malaysian Representative of Asean University Network/Southeast Asia Engineering Education Development Network (AUNSEED-Net jica), Field Wise Seminar and 2nd Symposium on Earth Resources Engineering and Geological Engineering Education, “Geo-Hazard and Earth Resources Management” 8-9 December 2005, Montien Hotel, Bangkok, Thailand
B.	<p>National Level</p> <ol style="list-style-type: none"> 1. Rapporteur and report writer, Seminar and Workshop on Seismic Risk, Hyatt Regency Saujana, Subang 25-26 September 2001. 2. Deputy Chairman TC2, Wind Loadings on Building Structures, Bengkel mengenai aktiviti-aktiviti Standardisasi untuk Pengerusi-Pengerusi Jawatankuasa Pembnagunan Standard dan Sesi Dialog “Standards for the construction industry in Malaysia – present status and future priorities”, 16 Julai 2002, Hotel the Pan Paciifc Glenmarie, Shah Alam.
	<ol style="list-style-type: none"> 3. Deputy Chairman TC2, Wind Loadings on Building Structures, Meeting on Industrial Standards Committee on Building and Civil Engineering (ISC D), 16 Mei 2002, SIRIM, Shah Alam. 4. Trainer , Modular Coordination, Module 1 and 2 , Construction Industry Development Board Malaysia (2001 – present) 5. Technical Evaluation (Expert Panel Group) for IRPA RMK8, UiTM, 27 Disember 2002, Hotel Concorde, Shah Alam 6. Members for Working Group of Preparing Terms of Reference Berkenaan Kajian Bahaya dan Risiko Gempabumi di Malaysia, 2003 – now , Perkhidmatan Kajicuaca Malaysia, 7. Modular Coordination Checking Software Trainer, 23 December 2003, CIDB, Kuala Lumpur 8. Committee Member of Working Group (WG) for the Development of MC/IBS Syllibus at IPTA under the ROADMAP IBS 2003 programme, 11 Jun 2004 - present, CIDB 9. Member for the Development of MC/IBS Syllibus at IPTA under Architectural and Civil Engineering School 1st Series, Guoman Hotel, Port Dickson, 10-12 Feb 2006, CIDB 10. Member for the Development of MC/IBS Syllibus at IPTA under Architectural and Civil Engineering and Quantity Surveying 2nd Series, Grand Sessions Hotel, Kuala Lumpur, 14-15 Mac 2006, CIDB
C.	State/District/University/School/Village Level

1. Protem Committee Member of Women Society – Engineering Campus, *AJK Protem Biro Perkhidmatan Awam, Persatuan Wanita Kampus Kejuruteraan*, menganjurkan Pelancaran Persatuan Wanita dan Tabung Helwani Pusat Islam, Peringkat Kampus Kej. Dan Ceramah Maulidur Rasul , Pejabat Pengarah , USM, Kampus Kej., 5 Julai 2002.
2. Mentor, Bengkel Mentoring USM, Laketown Resort, Bukit Merah, Perak, 19-21 Julai 2002.
3. Facilitator, MSSA Undergraduate Prize Awards For Structural Steel Design 2001/2002, - One team has won 1st prize Category II– Design without Cables, (RM 5,000) , MSSA MSSA Convention & Exhibition 2002, Palace of the Golden Horses, Kuala Lumpur, 20 – 21 August 2002.
4. Committee Member of Cansellor’s Dinner , JK Kecil Buku/Kad Aturcara, Majlis Santapan Malam Canselor, USM, 7 Ogos 2002, Hotel Equatorial, Penang.
5. Qualified user for Civil & Structural Computing (ASIA) Pte Ltd (CSC) softwares, PPKA, USM Kampus Kejuruteraan, 15 -22 April 2003
6. Coordinator for 12 Groups of PPKA Students: Asia –Pacific Bridge Model Competition UTM 2003 have won First Prize (USD1000) and Second Prizes (USD750) , UTM, Johor Bahru, 20 – 22 October 2003.
7. Mentor, Bengkel Mentor Siswa 3, Hotel Vistana, 20-22 April 2004
8. Chairman of Technical Session 1, 3rd National Conference on Civil Engineering (AWAM 2004) pada 20-22 Julai 2004, Copthorne Orchid Hotel, Penang
9. Session Chairman Lecture 2 and 8, 5th Short Course on Concrete Durability, Assessment, Maintenance and Repair Techniques , PPKA, USM Kampus Kejuruteraan, 4 – 6 Oct 2004
10. Committee member of the 9th Malaysian Plan (RM9), PPKA, USM Kampus Kejuruteraan 17 Dec – 30 Dec 2004
11. Penasihat ke 2 “Jalinan An-Nisa’ , Persatuan Mahasiswa Islam (PMI USMCKj), Majlis Penghuni Desasiswa Lembaran dan Pusat Islam USMCKj, 7-9 January 2005, USM Kampus Kejuruteraan
12. Chairman of the Panel Cabaran Rekacipta & Inovasi Kejuruteraan 2005, Minggu Kerjaya Kejuruteraan 2005 (MKK05), USM Kampus Kejuruteraan, 27 – 30 Jan 2005.
13. Ahli Jawatankuasa Khas Penyiasatan kes Meniru/Menipu Kampus Kejuruteraan, 31 Jan 2005, USM
14. Ahli Perbincangan Tentang Bantuan Tsunami , USM, February 2005
15. Organizing Committee, 1st Short Course on Design of Masonry Structures, 13-14 June 2005, Harvard Suasana Hotel, Bedong, Kedah
16. Naib Pengerusi Jawatankuasa Biro Hal Ehwai Wanita (HELWA), Sept –Okt 2005, Pusat Islam USM, Kampus Kejuruteraan,
17. Chairman of Organizing Committee, Short Course on Earthquake for Professionals, 14-15 Nov 2005, (JKR HQ) and 17-18 Nov 2005 , USM Minden
18. Warga USM yang membantu dalam Tragedi Tsunami 2004, 6 Feb 2006, Dewan Persidangan Universiti, USM

Mei 2007